SOUTHERN PACIFIC COMPANY

(PACIFIC LINES)

TIME TABLE

FOR THE

LOS ANGELES DIVISION

180

To Take Effect Sunday, March 7, 1943, at 12:01 A. M.

PACIFIC STANDARD TIME

For the government and information of employes only.

C. F. DONNATIN,
General Manager.

J. W. CORBETT,
Assistant General Manager.

R. E. HALLAWELL,
General Superintendent of Transportation.

G. C. BAKER,
Superintendent of Transportation.

H. R. GERNREICH,
Superintendent.

VENTURA SUBDIVISION

Rules 86 and 93. Between Santa Barbara and Burbank Jct., Second and inferior class trains, extra trains and engines must clear the time of Nos. 98 and 99 not less than ten minutes.

Freight trains must be clear of main track and insulated joints at meeting and passing points for trains 98 and 99.

Rule 5. Schedule time and train orders at Burbank Jct. apply at end of double track.

Between Mission Tower and Dayton Ave. Tower, via East Bank Jct., trains or engines may use main tracks, in either direction, being governed by signal indication.

Trains or engines stopped by interlocking signals at signal bridges 3, 4, or 6, will, if signal does not clear, call signal operator on telephone located on signal bridge.

Rules and regulations of Los Angeles Union Passenger Terminal must be observed between terminal limits and end of tracks at Los Angeles.

Revenue passenger trains, except exclusively Government business, must stop at Glendale.

No. 72 stop daily except Sunday at Carpinteria to receive U. S. mail.

No. 72 Vega—Stop to dispatch mail.

Additional flag stops to receive or discharge passengers:

No. 70 Camarillo, Moorpark—Receive revenue to Los Angeles or beyond.

No. 76 Ventura—Discharge revenue from or beyond Salinas.

No. 26 Burbank—Discharge from Fresno or beyond.

No. 72 Los Angeles Yard — Discharge D.H. trainmen and enginemen.

Dulah Siding will not hold more than 15 passenger cars and one engine.

List of intermediate stations and spurs, page 10.

EASTWARD

Capacity of Sidings in Car Lengths	SECOND CLASS							FIRST CLASS								Distance from San Francisco	Time Table No. 180 March 7, 1943
	806	804	802	808	812			52	98	60	26	76	70	72	56		
	Freight	Freight	Freight	Freight	Freight			San Joaquin	Daylight	West Coast	Owl	Lark	Coaster	Passenger	Tehachapi		
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily		STATIONS
BKWOTP S. Barbara yd.					11.25 PM				3.40 PM			6.10 AM	5.15 AM	2.45 AM		370.7	TO-R SANTA BARBARA E. 1.2
					11.32				3.43			6.15	5.20	2.50		371.9	EAST SANTA BARBARA E. 4.5
106 P					11.42				3.50			6.23	5.28	2.58		377.3	ORTEGA E. 4.6
40 P					11.50				3.55			6.28	5.34	f 3.06		381.2	TO CARPINTERIA E. 2.1
40 P					11.54							6.32	5.38	3.11		383.4	WAVE E. 2.3
39 P					11.59 PM				4.01			6.36	5.42	3.16		385.7	PUNTA E. 3.1
105 P					12.06 AM				4.05			6.40	5.47	3.22		388.6	SEACLIFF E. 4.1
29 P					12.15				4.10			6.46	5.53	3.28		392.9	DULAH E. 4.5
P																397.3	VENTURA JCT. E. 0.9
Yard Limits 123 WP					12.25				4.18			6.56	s 6.05	s 3.48		398.2	TO VENTURA E. 4.7
40 YP					12.33							7.02	6.12	3.56		403.2	MONTALVO E. 4.5
Yard Limits 107 BKWOP					12.43				4.29			7.09	s 6.25	s 4.12		407.8	TO OXNARD E. 4.6
66 P					12.53				4.34			7.15	6.31	4.19		412,1	LEESDALE E. 4.3
117 P					1.02				4.39			7.21	6.37	s 4.30		416.6	TO CAMARILLO E. 3.4
43 P					1.10				4.42			7.26	6.42	4.37		419.8	SOMIS E. 3.1
65 P					1.20				4.45			7.31	6.47	4.43		422.9	LAGOL E. 3.8
103 WP					1.35				4.49			7.37	6.55	f 4.54		427.1	TO MOORPARK E. 5.2
69 P					1.50							7.46	7.04	5.03		432.2	STRATHEARN E. 5.0
105 P					2.04				5.00			7.55	7.13	f 5.13		437.5	TO SANTA SUSANA E. 3.7
72 P					2.18				5.05			8.02	7.21	5.22		441.0	HASSON E. 4.8
85 WYP					2.33				5.12			8.09	7.30	f 5.32		445.5	TO CHATSWORTH E. 4.2
E 56 W 56 P					2.41				5.16			8.15	7.36	f 5.42		449.9	TO NORTHRIDGE E. 4.2
E 38 W 44					2.49				5.20			8.20	7.42	5.49		454.1	RAYMER E. 4.6
103 P					2.57				5.24			8.25	7.48	5.55		458.4	HEWITT E. 4.5
84 IP	8.50 PM	2.20 PM	8.20 AM	3.18 AM	3.05			8.59 PM	5.28	9.20 AM	8.54 AM	8.30	7.54	6.02	5.10 AM	462.7 471.6	TO BURBANK JCT. E. 0.5
YP														f 6.04	f 5.12	472.1	BURBANK E. 5.0
P								s 9.10	s 5.40	s 9.32	s 9.07	s 8.42	s 8.07	s 6.20	s 5.35	477.1	GLENDALE E. 0.2
I																477.3	GLENDALE TOWER P. E. Ry. CROSSING E. 1.2
																478.5	ARROYO JCT. E. 1.2
BKW OYP	9.15 PM	2.45 PM	8.45 AM	3.55 AM	3.30 AM										f	479.7	TO-R LOS ANGELES YARD E. 0.9
I								9.18	5.48	9.43	9.18	8.49	8.19	6.31	5.48	480.6	DAYTON AVE. TOWER E. 0.9
																481.5	GLENDALE JCT. E. 0.4
								9.23	5.53	9.48	9.23	8.53	8.24	6.36	5.53	481.9	EAST BANK JCT. E. 0.15
																482.05	U. P. R. R. CROSSING E. 0.08
																482.13	A. T. & S. F. Ry. CROSSING E. 0.05
I								9.25	5.55	9.50	9.25	8.55	8.27	6.38	5.55	482.18	MISSION TOWER E. 0.62
BKW IYP								s 9.30 PM	s 6.00 PM	s 9.55 AM	s 9.30 AM	s 9.00 AM	s 8.35 AM	s 6.45 AM	s 6.00 AM	482.8	TO-R LOS ANGELES LAUPT
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		(103.2)
	(0.25) 19.44	(0.25) 19.44	(0.25) 19.44	(0.37) 13.03	(4.05) 24.57			(0.31) 21.67	(2.20) 44.22	(0.35) 19.20	(0.36) 18.66	(2.50) 36.42	(3.20) 30.96	(4.00) 25.80	(0.50) 13.44		........Time over District ....Average Speed per Hour

A. B. S.

Los Angeles yard

Interlocking

VENTURA SUBDIVISION

WESTWARD

Time Table No. 180

March 7, 1943

STATIONS		Distance from Los Angeles	FIRST CLASS										THIRD CLASS			
			51	99	71	25	59	69	55	75			801	803	805	807
			San Joaquin	Daylight	Passenger	Owl	West Coast	Coaster	Tehachapi	Lark			Freight	Freight	Freight	Freight
			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
TO-R SANTA BARBARA W. 1.2	D.T.	103.2		s 10.30 AM	s 4.50 PM			s 9.40 PM		s 11.37 PM						
EAST SANTA BARBARA W. 5.6		102.0		10.26	4.45			9.33		**11.32**						
ORTEGA W. 4.0		96.6		10.19	4.35			9.23		11.24						
TO CARPINTERIA W. 2.1		92.7		10.14	s 4.29			9.17		11.19						
WAVE W. 2.3		90.5			4.18			9.11								
PUNTA W. 3.7		88.2		10.08	4.12			9.06		11.13						
SEACLIFF W. 3.4		85.3		10.04	**4.05**			9.01		11.09						
DULAH W. 5.3		81.0		9.59	3.49			8.54		11.04						
VENTURA JCT. W. 0.9		76.6														
TO VENTURA W. 3.9		75.7		9.52	s 3.40			s 8.45		10.56						
MONTALVO W. 5.7		70.7			f 3.22			8.33		10.50						
TO OXNARD W. 3.7		66.1		9.41	s 3.15			s 8.26		10.44						
LEESDALE W. 4.8		61.8		9.37	2.59			8.14		10.39						
TO CAMARILLO W. 2.8		57.3		9.32	f 2.53			8.09		10.34						
SOMIS W. 3.3		54.1			f 2.45			8.04		10.30						
LAGOL W. 4.2		51.0		9.26	2.40			7.59		10.26						
TO MOORPARK W. 5.0		46.8		9.22	f 2.34			7.54		10.21						
STRATHEARN W. 5.3		41.7		9.17	2.26			7.48		10.15						
TO SANTA SUSANA W. 3.4		36.4		9.11	f 2.19			7.41		10.09						
HASSON W. 5.0		32.9		9.07	f 2.13			7.36		10.04						
TO CHATSWORTH W. 4.2		28.4		9.00	f 2.05			7.27		9.56						
TO NORTHRIDGE W. 4.1		24.0		8.56	f 1.55			7.21		9.51						
RAYMER W. 4.7		19.8		8.52	1.48			7.15		9.46						
HEWITT W. 3.5		15.5		8.48	1.42			7.09		9.41						
TO BURBANK JCT. W. 0.5	D.T.	11.2	8.29 AM	8.43	1.36	5.31 PM	6.01 PM	7.03	9.15 PM	9.36			12.35 AM	8.55 AM	9.45 AM	6.10 PM
BURBANK W. 5.0		10.7			f 1.35				f 9.14							
GLENDALE W. 0.2		5.7	s 8.21	s 8.35	s 1.26	s 5.23	s 5.53	s 6.54	s 9.04	s 9.27						
GLENDALE TOWER P. E. Ry. CROSSING W. 1.2		5.5														
ARROYO JCT. W. 1.2		4.3														
TO-R LOS ANGELES YARD W. 0.9		3.1							f				12.10 AM	8.30 AM	9.20 AM	5.45 PM
DAYTON AVE. TOWER W. 0.9		2.1	8.11	8.25	1.11	5.11	5.41	6.41	8.36	9.13						
GLENDALE JCT. W. 0.4		1.3														
EAST BANK JCT. W. 0.15		0.9	8.06	8.21	1.06	5.06	5.36	6.36	8.31	9.07						
U. P. R. R. CROSSING W. 0.08		0.75														
A. T. & S. F. Ry. CROSSING W. 0.05		0.67														
MISSION TOWER W. 0 62		0.62	8.04	8.19	1.04	5.04	5.34	6.34	8.29	9.05						
TO-R LOS ANGELES LAUPT		0.0	8.00 AM	8.15 AM	1.00 PM	5.00 PM	5.30 PM	6.30 PM	8.25 PM	9.00 PM						
(103.2)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily			Leave Daily	Leave Daily	Leave Daily	Leave Daily
Time over District Average Speed per Hour			(0.29) 23.17	(2.15) 45.86	(3.50) 26.92	(0.31) 21.67	(0.31) 21.67	(3.10) 32.58	(0.50) 13.44	(2.37) 39.43			(0.25) 19.44	(0.25) 19.44	(0.25) 19.44	(0.25) 19.44

RULES 86 and 93. Between Santa Barbara and Burbank Jct., Second class and inferior class trains, extra trains and engines must clear the time of Nos. 98 and 99 not less than ten minutes.

Freight trains must be clear of main track and insulated joints at meeting and passing points for trains 98 and 99.

RULE 5. Schedule time and train orders at Burbank Jct. apply at end of double track.

Between Mission Tower and Dayton Ave. Tower, via East Bank Jct., trains or engines may use main tracks, in either direction, being governed by signal indication.

Trains or engines stopped by interlocking signals at signal bridges 3, 4, or 6, will, if signal does not clear, call signal operator on telephone located on signal bridge.

Rules and regulations of Los Angeles Union Passenger Terminal must be observed between terminal limits and end of tracks at Los Angeles.

Revenue passenger trains except exclusively Government business must stop at Glendale.

Additional flag stops—No. 71, Simi (M.P. 433.5) Summerland (M.P. 376.2).

Additional flag stops to receive or discharge passengers:

No. 71 Los Angeles Yard, receive DH trainmen and enginemen.

No. 25 Burbank, receive to Mojave or beyond.

No. 75 Ventura, receive to Salinas or beyond.

No. 25 will reduce speed at Burbank to receive mail.

Dulah Siding will not hold more than 15 passenger cars and one engine.

List of intermediate stations and spurs, page 10.

POMONA SUBDIVISION

	EASTWARD												Time Table No. 180 March 7, 1943		WESTWARD						
Capacity of Sidings in Car Lengths	SECOND-CLASS					FIRST CLASS				Distance from San Francisco				Distance from Colton	FIRST CLASS				THIRD CLASS		
	830	828	826	824	822	4	6	44	2						43	5	1	3	821	823	825
	Freight	Freight	Freight	Freight	Freight	Golden State Limited	Argonaut	Californian	Sunset Limited						Californian	Argonaut	Sunset Limited	Golden State Limited	Freight	Freight	Freight
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily				**STATIONS**		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
Los Angeles yard BKW OTP	11.30PM	9.45PM	2.50PM	7.00AM	1.30AM					479.7		TO-R	**LOS ANGELES YARD** 0.9	58.6					3.00AM	10.45AM	7.00PM
I										480.6			**DAYTON AVE. TOWER** 0.9	57.7							
										481.5			**GLENDALE JCT.** 0.4	56.8							
										481.9			**EAST BANK JUNCTION** 0.2	56.4							
										482.1			**TAYLOR JUNCTION**	56.2							
BKW IYP						8.30PM	6.30PM	5.00PM	8.30AM	481.9	D.T.	TO-R	LAUPT **LOS ANGELES** 0.62	57.1	s 11.00AM	s 11.15AM	s 6.00PM	s 10.40PM			
I						8.34	6.34	5.04	8.34	482.52			**MISSION TOWER** 0.05	56.48	10.53	11.07	5.52	10.31			
										482.57			**A. T. & S. F. Ry. CROSSING** 0.08	56.43							
										482.65			**U. P. R. R. CROSSING** 0.15	56.35							
						8.35	6.35	5.05	8.35	482.8			**TAYLOR JUNCTION** 4.9	56.2	10.52	11.06	5.51	10.30			
P	12.01AM	**10.15**	3.20	7.30	2.00	s 8.50	s 6.50	s 5.20	s 8.50	487.7		TO	**ALHAMBRA** E. 2.1 — W. 2.7	51.3	s 10.37	s 10.51	s 5.36	s **10.15**	2.30	10.15	6.27
83 P	12.07	10.21	3.26	7.36	2.06	8.56	6.56	**5.25**	8.55	490.6			**SAN GABRIEL** E. 3.2 — W. 3.9	48.4	10.29	10.43	**5.25**	10.05	2.24	10.09	6.21
140 P	12.15	10.29	3.34	7.44	**2.14**	9.01	7.02	5.32	9.00	494.6			**EL MONTE** E. 0.4 — W. 0.4	44.4	10.23	10.37	5.16	9.58	**2.14**	10.00	6.12
I										495.0			**EL MONTE TOWER** **P. E. Ry. CROSSING** E. 3.2 — W. 3.0	44.0							
125 WP	12.20	10.34	3.39	7.49	2.19	9.06	7.07	5.37	9.05	497.3		TO	**BASSETT** E. 2.9 — W. 2.4	41.7	10.18	10.32	5.11	9.53	2.07	9.52	6.04
75 P	12.26	10.40	3.45	7.55	2.25	9.11	7.12	5.42	9.10	500.7		TO	**PUENTE** E. 3.1 — W. 3.0	38.3	10.13	10.27	5.06	9.47	1.59	9.45	5.56
66 P	12.34	10.47	3.52	8.03	2.33	9.15	7.17	**5.46**	9.14	503.5			**MARNE** E. 3.4 — W. 4.0	35.5	10.09	10.23	5.02	9.42	1.53	9.39	**5.46**
122 P	12.42	10.55	4.00	8.12	2.42	9.20	7.22	5.51	9.19	506.8		TO	**WALNUT** E. 3.7 — W. 3.2	32.2	10.04	10.18	4.57	9.34	1.46	9.33	5.37
67 P	12.52	11.05	4.10	8.22	2.52	**9.26**	7.28	5.57	**9.25**	510.7			**SPADRA** E. 2.2 — W. 4.3	28.3	9.58	10.12	4.51	**9.26**	1.38	**9.25**	5.29
Yard Limits 289 BKWTP	1.07	11.19	4.22	8.36	3.08	9.36	7.39	s 6.05	9.35	514.3	A. B. S.	TO	**POMONA** E. 4.5 — W. 3.0	24.7	f 9.52	10.06	4.44	9.12	1.30	9.12	5.21
128 P	**1.18**	11.29	**4.36**	8.46	3.19	9.42	7.46	6.11	**9.43**	517.8			**NAROD** E. 2.7 — W. 2.7	21.2	**9.43**	9.57	**4.36**	9.05	**1.18**	9.05	5.14
Yard Limits 117 P	1.28	11.39	4.46	**8.56**	3.32	9.47	7.55	6.16	**9.50**	520.2		TO	**ONTARIO** E. 3.8 — W. 3.3	18.8	f 9.32	**9.50**	4.31	s 8.59	12.56	**8.56**	5.05
65 WP	1.36	11.47	**4.54**	9.05	3.42	9.52	8.01	6.21	9.55	523.8			**GUASTI** E. 3.9 — W. 4.0	15.2	9.25	9.43	4.25	8.53	12.46	8.46	**4.54**
75 P	1.45	11.56PM	5.03	**9.19**	3.51	9.57	8.07	6.26	10.00	527.5			**KAISER** E. 2.3 — W. 2.4	11.5	**9.19**	9.37	4.19	8.47	12.37	8.37	4.44
87 YP	1.50	12.01AM	5.08	**9.34**	3.57	10.01	8.11	6.29	10.03	529.7		TO	**SOUTH FONTANA** E. 2.2 — W. 2.0	9.3	9.16	**9.34**	4.16	8.44	12.32	8.32	4.40
65 P	2.00	12.11	5.18	9.44	4.07					532.1			**AILSA** E. 1.6 — W. 2.0	6.9					12.26	8.26	4.35
111 P	2.09	**12.20**	5.26	9.53	4.16	10.09	8.19	6.36	10.10	534.7		TO	**BLOOMINGTON** E. 4.9 — W. 4.9	4.3	9.10	9.28	4.10	8.38	**12.20**	8.20	4.30
I										538.7			**COLTON TOWER** **A. T. & S. F. Ry. CROSSING**	0.3							
										538.7			**U. P. R. R. CROSSING** E. 0.3 — W. 0.3	0.3							
Colton yard BKWOTYP	2.25AM	12.35AM	5.40PM	10.10AM	4.30AM	s 10.20PM	s **8.28**PM	s 6.45PM	s 10.20AM	539.0		TO-R	**COLTON**	0.0	9.00AM	9.18AM	4.00PM	**8.28**PM	12.01AM	8.00AM	4.10PM
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily				(58.6)		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
	(2.55) 20.09	(2.50) 20.68	(2.50) 20.68	(3.10) 18.51	(3.00) 19.76	(1.50) 31.14	(1.58) 29.03	(1.45) 32.63	(1.50) 31.14				Time over District Average Speed per Hour		(2.00) 28.55	(1.57) 29.11	(2.00) 28.55	(2.12) 25.95	(2.59) 19.64	(2.45) 21.30	(2.50) 20.68

No. 1 passing Ontario station reduce speed sufficiently to permit throwing U. S. Mail in mail car.
No. 5 stop on flag Puente to receive U. S. registered mail.
Nos. 1 and 5 Pomona and No. 44 Ontario reduce speed to handle U. S. Mail.
Rules and regulations of Los Angeles Union Passenger Terminal must be observed between Terminal limits and end of tracks at Los Angeles.
Between Mission Tower and Dayton Ave. Tower, via East Bank Jct., trains or engines may use main tracks, in either direction, being governed by signal indication.
Rule 5—Schedule time and train orders at Alhambra apply at end of double track for eastward trains only.
Capacity of main track in car lengths of 49 feet between interlocking derail and west clearance point El Monte 138.
See table on Page 5 for additional flag stops.
List of Intermediate Spurs page 10.
Trains or engines stopped by interlocking signals at signal bridges 3, 4, or 6, will, if signal does not clear, call signal operator on telephone located on signal bridge.

BEAUMONT SUBDIVISION

Capacity of Sidings in Car Lengths	EASTWARD SECOND CLASS				FIRST CLASS				Distance from San Francisco			Time Table No. 180 March 7, 1943	Distance from Indio Yard	WESTWARD FIRST CLASS				SECOND CLASS			
	838 Freight	836 Freight	834 Freight	832 Freight	4 Golden State Limited	6 Argonaut	44 Californian	2 Sunset Limited						43 Californian	5 Argonaut	1 Sunset Limited	3 Golden State Limited	831 Freight	833 Freight	835 Freight	837 Freight
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily				**STATIONS**		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
Colton yard BKWOTYP	6.30 PM	1.00 PM	5.50 AM	12.30 AM	10.30 PM	8.40 PM	6.53 PM	10.28 AM	539.0	A. B. S.	TO-R	**COLTON** P. E. Ry. CROSSING E. 1.3 — W. 2.9	72.3	s 8.50 AM	s 9.08 AM	s 3.50 PM	s 8.20 PM	6.15 AM	11.50 AM	5.30 PM	12.05 AM
E126 W132 P	6.45	1.15	**6.00**	12.45	10.36	8.46	6.59	10.34	542.6		TO	**LOMA LINDA** E. 3.9 — W. 1.9	68.7	f 8.43	9.01	3.43	8.14	**6.00**	11.34	5.14	11.50 PM
65 P	6.50	1.20	6.05	12.50	10.39	8.49	7.02	10.37	544.5		TO	**BRYN MAWR** E. 1.5 — W. 2.1	66.8	8.38	8.56	3.38	8.10	5.49	11.29	5.09	11.45
120 P	6.55	1.25	6.10	12.55	10.42	8.52	7.05	10.41	546.3			**REDLANDS** E. 2.8 — W. 2.9	65.0	f 8.33	8.51	3.33	8.06	5.44	11.24	5.04	11.40
126 P	7.05	1.35	6.20	1.05	10.49	9.01	7.12	10.49	549.1			**ORDWAY** E. 3.9 — W. 3.8	62.2	8.26	8.44	3.26	8.00	5.37	11.17	4.57	11.30
115 WP	**7.20**	1.50	6.35	1.20	10.59	9.10	**7.20**	**10.58**	552.7		TO	**EL CASCO** E. 2.9 — W. 2.5	58.6	8.20	8.38	3.20	7.54	5.18	**10.58**	4.38	11.10
70 P	7.33	1.58	6.43	1.28	**11.03**	9.14	7.24	11.02	555.4			**HAIG** E. 1.8 — W. 2.3	55.9	8.15	8.33	3.15	7.48	5.11	10.48	4.31	**11.03**
122 P	**7.43**	2.05	6.50	1.35	11.07	9.20	7.28	11.08	557.2			**HINDA** E. 2.3 — W. 2.2	54.1	8.11	8.29	3.11	**7.43**	5.06	10.43	4.26	10.48
119 P	7.52	2.12	6.57	1.42	11.12	9.25	**7.35**	11.13	559.7			**NICKLIN** E. 2.5 — W. 3.0	51.6	8.07	8.25	3.07	**7.35**	4.58	10.35	4.18	10.40
Yard Limits 174 WOYP	8.10	2.30	7.15	2.00	11.21	f 9.35	7.43	s 11.23	562.0		TO-R	**BEAUMONT** E. 1.8 — W. 0.0	49.3	f 8.02	8.20	3.02	7.28	4.50	10.27	4.10	10.31
									563.8		TO	**APEX** E. 1.8 — W. 3.2	47.6								
130 P	8.21	**2.52**	7.28	2.11	11.27	9.41	7.49	11.29	565.5			**PERSHING** E. 2.6 — W. 2.4	45.8	7.52	8.10	**2.52**	7.21	4.36	10.16	3.58	10.18
110 P	8.30	3.01	**7.46** **8.04**	2.20	11.32	f 9.49	7.54	s 11.37	568.2		TO	**BANNING** E. 3.5 — W. 3.6	43.1	f **7.46**	**8.04**	2.46	7.15	4.28	10.08	3.51	10.10
120 P	8.40	3.11	8.14	2.30	11.38	**9.55**	8.00	11.43	571.5			**OWL** E. 1.9 — W. 2.0	39.8	7.37	7.55	2.37	7.07	4.14	9.54	3.38	**9.55**
E123 W127 WP	8.59	**3.27**	8.33	2.49	11.43	10.00	8.05	11.48	574.1		TO	**CABAZON** E. 2.2 — W. 2.2	37.2	7.29	7.47	2.29	6.59	4.03	9.43	**3.27**	9.37
120 P	9.06	3.34	8.40	2.56	11.48	10.05	8.10	11.53	576.2			**MONS** E. 2.2 — W. 2.2	35.1	7.22	7.40	2.22	6.52	3.53	9.33	3.09	9.27
118 P	**9.17**	3.42	8.49	3.04	11.53 PM	10.10	8.15	11.58 AM	578.6			**FINGAL** E. 4.0 — W. 3.9	32.7	7.15	7.33	2.15	6.45	3.43	9.23	2.59	**9.17**
108 WP	9.29	3.54	**9.01**	**3.17**	s 12.02 AM	f 10.21	s 8.24	s 12.08 PM	582.6		TO	**PALM SPRINGS** E. 3.4 — W. 3.6	28.7	f 7.06	7.24	2.06	s 6.38	**3.17**	**9.01**	2.48	9.06
118 P	9.38	4.03	9.10	3.26	12.07	10.27	8.30	12.13	585.4			**HUGO** E. 2.9 — W. 2.8	25.9	6.56	7.14	1.56	6.28	3.04	8.44	2.22	8.50
109 WYP	9.57	4.22	9.29	3.45	12.12	10.32	**8.35**	12.18	588.1		TO	**GARNET** E. 2.7 — W. 2.9	23.2	6.48	7.06	1.48	6.21	2.55	8.35	2.13	**8.35**
120 P	10.06	4.31	9.38	3.54	12.17	10.37	8.40	12.23	591.6			**SALVIA** E. 4.3 — W. 4.3	19.7	6.38	6.56	1.38	6.12	2.46	8.26	2.02	8.21
121 P	10.15	4.40	9.47	4.03	12.22	10.42	8.45	12.28	595.1			**RIMLON** E. 3.7 — W. 3.5	16.2	6.33	6.51	1.33	6.07	2.38	8.18	1.54	8.13
108 P	10.28	4.53	10.00	4.16	12.27	10.47	8.50	12.33	599.0		TO	**EDOM** E. 2.9 — W. 3.0	12.3	6.28	6.46	1.28	6.02	2.31	8.11	1.47	8.06
120 P	10.33	4.58	10.05	4.21	12.31	10.51	8.54	12.37	601.5			**DRY CAMP** E. 4.9 — W. 4.9	9.8	6.23	6.41	1.23	5.58	2.24	8.04	1.40	7.59
112 P	10.43	5.08	10.15	4.31	12.37	10.57	9.00	12.43	606.5		TO	**MYOMA** E. 4.6 — W. 3.4	4.8	6.17	6.35	1.17	5.52	2.14	7.54	1.30	7.49
Indio Yd.					s 12.45 AM	s 11.05 PM	s 9.07 PM	s 12.50 PM	610.9		TO-R	**INDIO** 0.4	0.4	6.10 AM	6.28 AM	1.10 PM	5.45 PM				
BKWOYP	10.55 PM	5.20 PM	10.25 AM	4.40 AM					611.3		TO-R	**INDIO YARD**	0.0					2.00 AM	7.40 AM	1.15 PM	7.35 PM
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily				(72.3)		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
	(4.25) 16.27	(4.20) 16.86	(4.35) 15.97	(4.10) 17.26	(2.15) 32.13	(2.25) 29.75	(2.14) 32.19	(2.22) 30.38				Time over District Average Speed per Hour		(2.40) 26.90	(2.40) 26.90	(2.40) 26.90	(2.35) 27.83	(4.15) 16.91	(4.10) 17.26	(4.15) 16.91	(4.30) 15.97

See Page 6 for additional schedules between Indio and Indio Yard.
No. 1 passing Banning Station reduce speed sufficiently to permit throwing U. S. Mail in mail car.
Nos. 3, 5 and 44 passing Beaumont and Banning Stations and Nos. 1 and 5 passing Palm Springs Station, reduce speed sufficiently to permit throwing U. S. Mail in mail car.
No. 5 stop at Edom when there is parcel post to dispatch. List of Intermediate Spurs page 10.

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	Receive or Discharge	To (or Beyond)	From (or Beyond)	Frequency
5	Palm Springs, Banning, Beaumont, Redlands, Loma Linda, Pomona, Ontario, El Monte	Discharge		Yuma	Daily
43	El Monte	Discharge Revenue		E. of El Paso	Daily
1	Palm Springs, Banning, Beaumont, Redlands, Loma Linda, Ontario, Pomona	Receive, Discharge, Revenue	Alhambra	Imperial Valley Points	Daily
3	Banning, Beaumont, Redlands, Loma Linda, Pomona, Ontario, El Monte	Discharge		El Paso	Daily

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	Receive or Discharge	To (or Beyond)	From (or Beyond)	Frequency
2	Pomona, Ontario, Loma Linda, Redlands	Receive, Discharge Revenue	Niland	Alhambra	Daily
6	El Monte, Ontario, Pomona, Loma Linda, Redlands	Receive	Yuma		Daily
44	El Monte, Ontario, Loma Linda, Redlands, Beaumont, Banning	Receive Revenue	East of Wellton		Daily
6	Redlands	Discharge		Alhambra	Daily
4	Pomona, Ontario	Receive	Phoenix		
4	Redlands, Beaumont, Banning	Receive	East of El Paso		Daily

SALTON SUBDIVISION

Capacity of Sidings in Car Lengths	EASTWARD									Distance from San Francisco			Time Table No. 180 March 7, 1943	Distance from Yuma	WESTWARD								
	SECOND CLASS				FIRST CLASS										FIRST CLASS				SECOND CLASS		THIRD CLASS		
	826	358	824	822	6	44	362	2	4						43	5	1	3	363	357	821	823	825
	Freight	Freight	Freight	Freight	Argonaut	Californian	San Diego Passenger	Sunset Limited	Golden State Limited						Californian	Argonaut	Sunset Limited	Golden State Limited	San Diego Passenger	Freight	Freight	Freight	Freight
	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily				STATIONS		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
Indio Yard BKWOYP					11.21PM	9.17PM		**1.00**PM	1.00AM	610.9		TO-R	INDIO E. 0.4 — W. 0.4	121.8	s 6.00AM	s 6.18AM	s **1.00**PM	s 5.35PM					
	4.05PM		7.35AM	1.15AM						611.3		TO-R	INDIO YARD E. 1.0 — W. 1.0	121.3							8.30AM	**4.05**PM	12.20AM
										612.3		TO-R	EAST INDIO E. 1.8 — W. 2.7	120.3									
82 P	4.16		7.46	1.26	f 11.28	9.24		f 1.06	1.06	614.4		TO	COACHELLA E. 2.8 — W. 3.2	118.3	5.53	6.11	12.53	5.28			8.21	3.54	12.12
120 P	4.22		7.52	1.32	f 11.33	9.29		f 1.12	1.12	618.0		TO	THERMAL E. 6.4 — W. 6.5	114.7	5.48	6.05	12.48	5.23			8.15	3.48	12.06AM
140 WP	4.32		**8.02**	1.42	11.41	9.36		f 1.19	1.19	624.1		TO	MECCA E. 5.1 — W. 4.4	108.6	5.41	5.58	12.41	5.16			**8.02**	3.38	11.56PM
64 P	4.40		8.10	1.50	**11.48**	9.42		1.25	1.25	628.8			CALEB E. 4.4 — W. 5.1	103.9	5.35	5.52	12.35	5.10			7.45	3.30	**11.48**
131 P	4.48		8.18	1.58	11.54PM	9.48		1.31	1.31	633.3			MORTMAR E. 4.6 — W. 4.3	99.4	5.29	5.46	12.29	5.05			7.37	3.22	11.33
102 P	**5.00**		8.26	2.06	12.01AM	9.53		1.37	1.36	637.8			SALTON E. 4.3 — W. 3.9	94.9	5.23	5.40	12.23	**5.00**			7.29	3.14	11.25
66 P	5.07		8.33	2.13	12.07	9.59		1.43	1.41	642.1			DURMID E. 4.3 — W. 4.7	90.6	5.18	5.35	12.18	4.55			7.22	3.07	11.17
103 P	5.15		8.41	2.21	12.14	10.05		1.50	1.47	646.8		TO	BERTRAM E. 4.3 — W. 4.3	85.9	5.12	5.29	12.12	4.49			7.14	2.59	11.08
100 P	5.22		8.48	2.28	12.20	10.10		1.56	1.52	651.1			POPE E. 4.8 — W. 4.5	81.6	5.07	5.24	12.07	4.44			7.07	2.52	11.00
65 P	5.29		8.55	2.35	12.26	10.16		2.02	1.58	655.6			FRINK E. 4.5 — W. 4.9	77.1	5.01	5.18	12.01PM	4.39			7.00	2.45	10.52
105 P	5.36		9.02	2.42	12.33	10.21		2.08	2.04	660.1			WISTER E. 3.4 — W. 3.1	72.6	4.55	5.12	11.55AM	4.34			6.53	2.38	10.45
68 P	5.42		9.08	2.48	12.39	10.26		2.13	2.08	663.5			MUNDO E. 3.4 — W. 4.1	69.2	4.50	5.07	11.51	4.30			6.47	2.32	10.39
Yard Limits 148 BKWOYP	6.00		9.25	3.05	s 12.55	f **10.32**		s **2.25**	s 2.25	667.5	A. B. S.	TO-R	NILAND E. 4.6 — W. 3.8	65.2	s 4.45	s 5.02	f 11.46	f 4.25			6.40	**2.25**	**10.32**
64 P	6.10		9.34	3.15	1.05	10.37		2.31	2.30	671.7			FLOWING WELL E. 2.7 — W. 3.2	61.0	4.19	4.52	11.36	4.17			6.19	2.06	10.05
111 P	6.22		9.45	3.27	1.11	10.42		2.37	2.35	674.4			IRIS E. 4.5 — W. 4.1	58.3	4.15	4.48	11.33	4.14			6.13	2.00	9.59
65 P	6.32		9.54	3.39	1.17	10.47		2.43	2.42	678.5			TORTUGA E. 5.6 — W. 5.9	54.2	4.10	4.43	11.28	4.09			6.05	1.52	9.51
101 WP	6.47		10.09	**4.03**	1.25	10.54		2.51	2.50	684.6		TO	AMOS E. 5.9 — W. 5.6	48.1	**4.03**	4.36	11.21	4.02			5.55	1.42	9.41
68 P	6.57		10.19	4.13	1.33	11.00		2.58	2.58	690.1			ACOLITA E. 5.0 — W. 5.4	42.6	3.56	4.30	11.15	3.56			5.44	1.32	9.31
102 P	7.07		10.29	**4.24**	1.42	11.06		3.05	3.06	695.6			MESQUITE E. 2.7 — W. 2.9	37.1	3.50	**4.24**	11.09	3.50			5.34	1.22	9.21
128 P	7.11		10.33	4.33	1.47	11.10		3.10	3.12	698.1		TO	GLAMIS E. 5.2 — W. 4.9	34.6	3.46	4.20	11.06	3.47			5.28	1.16	9.15
101 P	7.19		10.41	4.41	1.53	11.17		3.16	3.19	703.0			RUTHVEN E. 6.4 — W. 6.1	29.7	3.41	4.15	11.01	3.42			5.18	1.08	9.07
63 P	7.30		**10.54**	4.52	2.01	11.25		**3.35**	**3.34**	709.4			CLYDE E. 2.8 — W. 3.5	23.3	**3.34**	4.08	**10.54**	**3.35**			5.07	12.58	8.57
127 P	7.35		11.01	**4.57**	2.06	11.29		3.40	3.38	712.3			CACTUS E. 4.4 — W. 4.0	20.4	3.22	4.04	10.51	3.27			**4.57**	12.52	8.51
99 P	7.42		11.08	5.04	2.14	11.37		f 3.50	3.45	716.6		TO	OGILBY E. 5.5 — W. 5.8	16.1	3.16	3.59	10.46	3.21			4.44	12.45	8.44
130 P	7.52		11.18	5.14	2.23	11.44		3.58	**3.52**	722.7			KNOB E. 4.3 — W. 3.0	10.1	3.08	**3.52**	10.38	3.13			4.32	12.33	8.32
P	7.58	12.30PM	11.25	5.22	2.30	11.50PM	11.00PM	4.05	4.00	726.1	D. T.		ARAZ JUNCTION 0.9	6.6	3.02	3.38	10.32	3.07	4.00AM	1.45PM	4.20	12.21	8.20
P										727.0		TO	ARAZ 4.9	5.7									
Spur 30										731.9			COLORADO 0.8	0.8									
Yuma yard BKWOTYP	8.15PM	12.45PM	11.40AM	5.40AM	s 2.45AM	s 12.05AM	s 11.15PM	s 4.20PM	s 4.15AM	732.7		TO-R	GANTLET TRACK (A. P. B.) YUMA	0.0	2.50AM	3.25AM	10.20AM	2.55PM	3.45AM	1.30PM	4.00AM	12.01PM	8.00PM
	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily				(121.8)		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
	(4.10) 29.23	(0.15) 26.40	(4.05) 29.82	(4.25) 27.57	(3.24) 35.82	(2.48) 43.50	(0.15) 26.40	(3.20) 36.54	(3.15) 37.43				Time over District Average Speed per Hour		(3.10) 38.46	(2.53) 42.24	(2.40) 45.67	(2.40) 45.67	(0.15) 26.40	(0.15) 26.40	(4.30) 27.06	(4.04) 29.91	(4.20) 28.10

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	Receive or Discharge	To (or beyond)	From (or beyond)	Frequency
5	Mecca, Thermal, Coachella	Discharge		Yuma	Daily
43	" " "	Discharge Revenue		Phoenix	Daily
1	" " "	Discharge Revenue		El Paso	Daily
3	" " "	Discharge		Yuma	Daily
3	" " "	Receive Revenue	Colton		Daily
44	" " "	Receive Revenue	East of Wellton		Daily
6	"	Receive	Yuma		Daily
4	Coachella, Thermal	Receive Revenue	East of El Paso		Daily

Nos. 1 and 2 will stop on flag at Ogilby Mondays, Amos Tuesdays and Glamis Saturdays to receive and discharge non-revenue passengers.

No. 2 will make stops if necessary, to unload baggage and express Tuesdays and Fridays Flowing Well to Amos inclusive, Wednesdays and Saturdays Acolita to Knob inclusive.

No. 1 will make stop at Clyde and Iris, and No. 3 at Amos and Flowing Well each Monday, Wednesday and Friday, if necessary, to unload baggage and express.

No. 2 stop at Glamis when necessary, Exchange Parcel Post.

See page 5 for additional schedules between Indio and Indio Yard.

VENTURA SUBDIVISION

Time Table No. 180

March 7, 1943

Ojai Branch

Capacity of sidings in car lengths	EASTWARD	Distance from San Francisco		STATIONS	Distance from Ojai	WESTWARD
P		397.3		VENTURA JCT.	15.0	
				3.5		
		400.8		ORTONVILLE	11.5	
				2.1		
		402.9		CANET	9.4	
				9.4		
17 WT		412.3		OJAI	0.0	
				(15.0)		

List of Intermediate Spurs page 10.

VENTURA SUBDIVISION

Time Table No. 180

March 7, 1943

Santa Paula Branch

Capacity of sidings in car lengths	EASTWARD	Distance from San Francisco		STATIONS	Distance from Saugus	WESTWARD
Yard Limits YP		403.2		MONTALVO	45.5	
				4.4		
56 P		407.6	TO	SATICOY	41.1	
				3.4		
		411.0		LIMCO	37.7	
				0.3		
P		411.3		HAINES	37.4	
				3.4		
Yard Limits 44 WP		414.7	TO	SANTA PAULA	34.0	
				7.1		
P		421.8		SESPE	26.9	
				2.7		
Yard Limits 36 BKP		424.5	TO-R	FILLMORE	24.2	
				3.7		
32 P		428.2		CAVIN	20.5	
				1.7		
		429.9		BUCKHORN	18.8	
				1.9		
WP		431.8		PIRU	16.9	
				2.5		
		434.3		CAMULOS	14.4	
				4.1		
P		438.4		KEMP	10.3	
				5.7		
33 P		444.1		NEWHALL RANCH	4.6	
				4.6		
E 66 Yd. Limits W 80 BKWOY		448.7	TO-R	SAUGUS	0.0	
				(45.5)		

List of Intermediate Spurs page 10.

VENTURA SUBDIVISION

Time Table No. 180

March 7, 1943

Burbank Branch

Capacity of sidings in car lengths	EAST-WARD	Distance from San Francisco		STATIONS	Distance from Burbank	WEST-WARD
85 WYP		445.5	TO	CHATSWORTH	21.3	
				3.7		
		449.2		CANOGA PARK	17.6	
				4.2		
		453.4		TARZANA	13.4	
				1.7		
		455.1		ENCINO	11.7	
				3.3		
		458.4		P. E. Ry. CROSSING	8.4	
				0.0		
W		458.4	See Note	VAN NUYS	8.4	
				4.4		
		462.8		NORTH HOLLYWOOD	4.0	
				4.0		
Yard Limits WYP		466.8		BURBANK	0.0	
				(21.3)		

Joint track with Pacific Electric Ry. between MP 459.9 and North Hollywood

Movements governed by A-P. B. system—see special instructions page 14.

List of Intermediate Spurs page 10.

FIRESTONE PARK SUBDIVISION

Time Table No. 180

March 7, 1943

San Pedro Branch

	Capacity of sidings in car lengths	Eastward	Distance from San Francisco		STATIONS		Distance from San Pedro	Westward
Los Angeles Yard	I		480.6		DAYTON AVE. TOWER	D.T.	24.8	
					1.3			
	IY		481.9		RIVER STATION TOWER		23.6	
	IY		481.9		RIVER STATION TOWER		23.6	
					0.5			
			482.4		MISSION JUNCTION		23.5	
					0.12			
	I		482.5		MISSION TOWER		23.6	
	I		482.5		MISSION TOWER		23.6	
					0.12			
			482.4		MISSION JUNCTION		23.5	
					0.5			
			482.5		NAUD JUNCTION		23.0	
					0.6			
			482.5		NAUD JUNCTION	D.T.	23.0	
					2.7			
			485.2		WASHINGTON ST. JCT.		20.3	
					0.3			
	I		485.5		CLEMENT JCT. TOWER P. E. Ry. CROSSING		20.0	
					0.2			
			485.7		BUTTE ST. JCT.		19.8	
					0.7			
			486.4		VERNONDALE		19.1	
					0.9			
	I		487.3		A. T. & S. F. Ry. CROSSING		18.2	
					0.2			
			487.5		P. E. Ry. CROSSING		18.0	
					1.6			
	WYP		489.1	TO-R	FIRESTONE PARK		16.4	
					1.2			
			490.3		SOUTHGATE TWEEDY BLVD.		15.2	
					1.0			
			491.3		P. E. Ry. CROSSING		14.2	
					0.5			
			491.8		LYNWOOD		13.7	
					2.3			
	55		494.1		COMPTON		11.4	
					2.1			
	I		496.2		DOMINGUEZ TOWER P. E. Ry. CROSSING		9.3	
					1.5			
			497.7		ELFTMAN		7.8	
					2.3			
	33		500.0		WATSON		5.5	
					0.9			
	I		500.9		WILMINGTON (Anaheim Blvd.) TOWER A. T. & S. F. Ry. CROSSING		4.6	
					0.5			
	YP		501.4		WILMINGTON (Anaheim Blvd.)		4.1	
					0.5			
			501.9		P. E. Ry. CROSSING (Stop)		3.6	
					0.2			
			502.1		ANAHEIM BOULEVARD		3.4	
					0.6			
			502.7		P. E. Ry. CROSSING (Stop)		2.8	
					0.2			
	BKWOP		502.9	TO-R	WILMINGTON		2.6	
					1.6			
	I		504.5		SAN PEDRO DRAWBRIDGE		1.0	
					1.0			
	Yard Limits		505.5		SAN PEDRO		0.0	
					(24.8)			
					..........Time over district			
					.......Average speed per hour			

Between Fourth and Sixth Streets Los Angeles yard, track 14 eastward and track 18 westward, will be used as main tracks.

Trackage east of Anaheim Boulevard is under jurisdiction of Harbor Belt Line Railroad. Eastward trains must communicate with yardmaster, Wilmington, before leaving Wilmington (Anaheim Boulevard.)

List of Intermediate Spurs page 10.

Eastward FIRESTONE PARK SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Long Beach Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS	Distance from Long Beach
YP	501.4		**WILMINGTON (Anaheim Blvd.)**	2.1
			0.4	
I	501.8		A. T. & S. F. Ry. CROSSING	1.7
			0.2	
I	502.0		U. P. R. R. CROSSING	1.5
			0.4	
	502.4		P. E. Ry. CROSSING (Stop)	1.1
			1.1	
	503.5	TO	**LONG BEACH**	0.0
			(2.1)	

Eastward FIRESTONE PARK SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Santa Ana Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS	Distance from Dyer
Yard Limits WYP	489.1	TO-R	**FIRESTONE PARK**	30.3
			2.8	
I	491.9		U. P. R. R. CROSSING	27.5
			0.2	
	492.1		**SOUTHGATE** ATLANTIC BLVD.	27.3
			1.1	
	493.2		**VINVALE**	26.2
			1.8	
	495.0	TO	**DOWNEY**	24.4
			4.1	
	499.1		**NORWALK**	20.3
			5.3	
67	504.4		**BUENA PARK**	15.0
			4.6	
Yard Limits { WYP	509.0		**WEST ANAHEIM**	10.4
			1.2	
	510.2		**ANAHEIM**	9.2
			1.7	
P	511.9		**TUSTIN JCT.**	7.5
			5.1	
Yard Limits BKWOYP	517.0	TO-R	**SANTA ANA**	2.4
			0.1	
	517.1		W. LEG WYE CROSSING	2.3
			0.1	
	517.2		E. LEG WYE CROSSING	2.2
			2.2	
	519.4		**DYER**	0.0
			(30.3)	

List of Intermediate Spurs page 10.

Eastward FIRESTONE PARK SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Los Alamitos Branch

Capacity of Sidings in car lengths	Distance from San Francisco	STATIONS	Distance from Los Alamitos
Yard Limits WYP	509.0	**WEST ANAHEIM**	9.4
		4.6	
	513.6	**STANTON**	4.8
		0.4	
	514.0	P. E. Ry. CROSSING (Stop)	4.4
		0.1	
Y	514.1	**STANTON JUNCTION**	4.3
		4.3	
	518.4	**LOS ALAMITOS**	0.0
		(9.4)	

Eastward FIRESTONE PARK SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Smeltzer Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco	STATIONS	Distance from End of Track
Y	514.1	**STANTON JUNCTION**	6.9
		3.3	
	517.4	**WESTMINSTER**	3.6
		2.1	
	519.5	**SMELTZER**	1.5
		1.0	
	520.5	**WINTERSBURG**	0.5
		0.5	
	521.0	END OF TRACK	0.0
		(6.9)	

Eastward FIRESTONE PARK SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Tustin Branch

Capacity of Sidings in car lengths	Distance from San Francisco	STATIONS	Distance from Tustin
	511.9	**TUSTIN JCT.**	10.5
		0.5	
I	512.4	**ANAHEIM TOWER** A. T. & S. F. Ry. CROSSING	10.0
		2.1	
	514.5	**MARLBORO**	7.9
		0.2	
	514.7	A. T. & S. F. Ry. CROSSING (Stop)	7.7
		2.0	
	516.7	**VILLA PARK**	5.7
		1.7	
	518.4	**McPHERSON**	4.0
		1.0	
	519.4	**EL MODENA**	3.0
		3.0	
	522.4	**TUSTIN**	0.0
		(10.5)	

List of Intermediate Spurs page 10.

Eastward POMONA SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Pasadena Branch

Capacity of Sidings in car lengths	Distance from San Francisco		STATIONS	Distance from Pasadena
Yard Limits P	487.7	TO	**ALHAMBRA**	4.8
			0.8	
	488.5		P. E. Ry. CROSSING (Stop)	4.0
			1.0	
I	489.5		P. E. Ry. CROSSING	3.0
			1.7	
	491.2		**RAYMOND HOTEL**	1.3
			0.0	
	491.2		A. T. & S. F. Ry. CROSSING	1.3
			1.3	
P	492.5		**PASADENA**	0.0
			(4.8)	

List of Intermediate Spurs page 10.

Eastward POMONA SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Covina Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS		Distance from Pomona
85 WP	497.3	TO	**BASSETT**		17.8
			3.6		
	500.9		**BALDWIN PARK**	Staff System	14.2
			0.1		
	501.0		P. E. Ry. CROSSING (Stop)		14.1
			0.4		
	501.4		**CRUSHTON**		13.7
			0.9		
	502.3		**IRWINDALE**		12.8
			1.8		
	504.1		**AZUSA AVENUE**		11.0
			1.0		
Yard Limits WP	505.1		**COVINA**		10.0
			1.6		
	506.7		**SAVOY**		8.4
			0.7		
22	507.4		**CHARTER OAK**		7.7
			1.1		
	508.5		P. E. Ry. LONE HILL CRSG.	Staff System	6.6
			1.0		
32	509.5		**SAN DIMAS**		5.6
			2.4		
E28 W20	511.9		**LA VERNE**		3.2
			1.4		
	513.3		**GANESHA JCT.**		1.8
			1.8		
Yard Limits 230 BKWTP	515.1	TO	**POMONA**		0.0
			(17.8)		

List of Intermediate Spurs page 10.

Eastward POMONA SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Chino Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS	Distance from End of Track
Yard Limits 230 BKWTP	514.3	TO	**POMONA**	6.0
			1.1	
I	515.4		**POMONA JCT. TOWER** U. P. R. R. CROSSING	4.9
			4.6	
	520.0		**CHINO**	0.3
			0.3	
	520.3		**END OF TRACK**	0.0
			(6.0)	

Eastward POMONA SUBDIVISION Westward

Time Table No. 180

March 7, 1943

San Bernardino Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco			STATIONS	Distance from San Bernardino
Colton Yard BKWOTYP	539.0	See Note	TO	**COLTON**	3.2
				3.0	
	542.0			A. T. & S. F. Ry. CROSSING (Stop)	0.2
				0.2	
Yard Limits Y	542.2			**SAN BERNARDINO**	0.0
				(3.2)	

Pacific Electric Bridge 541.30 used as joint track. Southern Pacific trains must stop clear of fouling point, may then proceed if track seen to be clear. If view obscured train must be preceded by flagman.

Eastward POMONA SUBDIVISION Westward

Time Table No. 180

March 7, 1943

Riverside Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco			STATIONS	Distance from Riverside
Colton Yard BKWOTYP	539.0	See note	TO	**COLTON**	7.2
				3.3	
	542.3			**HIGHGROVE**	3.9
				1.0	
	543.3			**ORANGE CENTER**	2.9
				0.7	
I	544.0			A. T. & S. F. Ry. CROSSING	2.2
				1.4	
	545.4			**RIVERSIDE JCT.**	0.8
				0.8	
Yd. Limits P	546.2			**RIVERSIDE**	0.0
				(7.2)	

Joint track with Pacific Electric Ry. over Bridge 540.11. See special instructions under Special Signals.

List of Intermediate Spurs page 10.

BEAUMONT SUBDIVISION

Eastward — Westward

Time Table No. 180

March 7, 1943

Redlands Branch

Capacity of Sidings and Car Lengths	Distance from San Francisco		STATIONS	Distance from Crafton
65	544.5	TO	**BYRN MAWR**	6.9
			0.5	
	545.0		**MOTOR JCT.**	6.4
			2.8	
Yd. Limits W	547.8		**REDLANDS, 2nd STREET**	3.6
			2.7	
	550.5		**MENTONE**	0.9
			0.9	
Yard Limits	551.4		**CRAFTON**	0.0
			(6.9)	

List of Intermediate Spurs page 10.

CALEXICO SUBDIVISION

Time Table No. 180

March 7, 1943

	EASTWARD							WESTWARD		
	THIRD CLASS	FIRST CLASS						FIRST CLASS		THIRD CLASS
Capacity of Sidings in Car Lengths	452 S. D. & A. E. Mixed	362 San Diego Passenger	358 Mixed	Distance from San Francisco		STATIONS	Distance from Calexico	357 Mixed	363 San Diego Passenger	451 S. D. & A. E. Mixed
	Leave Daily Ex. Monday	Leave Daily	Leave Daily					Arrive Daily	Arrive Daily	Arrive Daily Ex. Saturday
Yard Limits BKWOYP			3.30 AM	667.5	A. B. S. TO-R	**NILAND** E. 4.2 — W. 4.9	41.0	s 1.50 AM		
P			f	672.0		**ESTELLE** E. 3.3 — W. 3.6	36.5	f		
Yard Limits 90 YP			s 3.45	675.7	TO-R	**CALIPATRIA** E. 1.2 — W. 1.2	32.8	s 1.36		
Spur P			f	676.9		**BERNICE** E. 4.7 — W. 4.3	31.6	f		
Spur P			f 3.55	681.0		**ROCKWOOD** E. 3.5 — W. 5.3	27.5	f 1.27		
Yard Limits BKWP			s 4.20	686.2	TO-R	**BRAWLEY** E. 5.6 — W. 4.0	22.3	s 1.20		
P			f	690.3		**GRAPE** E. 4.6 — W. 5.2	18.2	f		
Yd. Limits P 131			s 4.35	695.6	TO	**IMPERIAL** E. 3.4 — W. 3.8	12.9	s 12.45		
Yard Limits BKWYP	**6.15 AM**	8.50 PM	s 5.05	699.4	TO-R	**EL CENTRO** E. 5.6 — W. 4.6	9.1	s 12.30	s **6.15 AM**	s 6.50 PM
Yard Limits 69 P	f 6.30	f 8.57	s 5.15	704.0		**HEBER** E. 4.9 — W. 4.2	4.5	s 12.11	f 6.08	f 6.37
Yd. Limits 175 BKWOYP	s 6.45 AM	s 9.05 PM	s 5.30 AM	708.5	TO-R	**CALEXICO**	0.0	12.01 AM	6.00 AM	6.25 PM
	Arrive Daily Ex. Monday	Arrive Daily	Arrive Daily			(41.0)		Leave Daily	Leave Daily	Leave Daily Ex. Saturday
	(0.30) 18.20	(0.15) 36.40	(2.00) 20.50			Time over District Average Speed per Hour		(1.49) 22.56	(0.15) 36.40	(0.25) 21.84

Rule 5—Time of first class trains at Calexico applies at passenger station.

List of Intermediate Spurs page 10.

CALEXICO SUBDIVISION

Eastward — Westward

Time Table No. 180

March 7, 1943

Sandia Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS	Distance from El Centro
Yd. Lmts. 90 YP	675.7	TO	**CALIPATRIA**	38.0
			6.1	
	681.8		**TURN**	31.9
			5.0	
P	686.8		**MUNYON**	26.9
			3.0	
	689.8		**MOSS**	23.9
			1.9	
P	691.7		**ORITA**	22.0
			2.5	
	694.2		**CURLEW**	19.5
			3.3	
P	697.5		**SANDIA**	16.2
			6.0	
Yd. Lmts. YP	703.5		**HOLTVILLE**	10.2
			1.0	
	704.5		**RICO**	9.2
			3.1	
	707.6		**MELOLAND**	6.1
			6.1	
Yd. Lmts. BKWYP	713.7	TO-R	**EL CENTRO**	0.0
			(38.0)	

Trackage between Holtville and El Centro owned by Holton Inter-Urban Ry.

List of Intermediate Spurs page 10.

CALEXICO SUBDIVISION

Eastward — Westward

Time Table No. 180

March 7, 1943

Westmorland Branch

Capacity of Sidings in Car Lengths	Distance from San Francisco		STATIONS	Distance from Westmorland
Yd. Lmts. 90 YP	675.7	TO	**CALIPATRIA**	12.6
			3.4	
	679.1		**VERDANT**	9.2
			1.5	
	680.6		**SHAMROCK**	7.7
			2.5	
	683.1		**FONDO**	5.2
			5.2	
	688.3		**WESTMORLAND**	0.0
			(12.6)	

INTERMEDIATE STATIONS AND SPURS

NAME	Mile Post	Capacity
Santa Barbara—Los Angeles		
Summerland	376.2	
VenturaCoastalLemonCo.	399.61	
Lemon	400.2	
El Rio	405.6	12
Simi	433.5	
Vega	460.54	
Sepulveda	474.3	
West Glendale	475.0	
Industrial	477.9	22
Taylor	479.3	30
Ojai Branch		
Weldons	402.4	3
Wadstrom	400.3	19
Chrisman	399.0	12
Santa Paula Branch		
Kimball	404.5	15
Kevet	415.9	8
Keith	421.2	22
Fillmore Gravel Pit	423.8	33
Rockbank	432.5	18
So. Cal. Edison	446.2	26
Burbank Branch		
Canoga Citrus Assn.	447.7	
R K O Studio Spur	454.6	53
Pasadena Branch		
Garfield Ave.	490.6	8
Los Angeles—Colton		
Stoneman	489.3	14
Ambler Grain Mill	491.3	13
Rudell	491.7	14
Union Stock Yards	496.5	16
Los Angeles—Colton Continued		
Union Feed Mill	498.4	14
Hill-Benton	508.1	12
Racimo	522.4	14
Ailsa	531.5	
Niland—Calexico		
Miller and Cummings	688.0	14
Sandia Branch		
Butters	689.6	11
Fuller	699.4	9
Covina Branch		
P. E. Ry.	502.0	3
Lateen	503.0	8
Hobbs	512.9	6
Hobbs	512.4	37
Riverside Branch		
Grand Terrace	541.2	2
Redlands Branch		
Warner	549.9	2
Santa Ana Branch		
Studebaker	489.4	14
The Glidden Co.	503.0	4
Mirakol Chemical Co.	513.3	6
Tustin Branch		
D. Hewes	520.1	6

AVERAGE TARE WEIGHTS OF PASSENGER TRAIN CARS

CLASS	NOT AIR-CONDITIONED		AIR-CONDITIONED	
	All-Steel	Steel-Underframe	All-Steel Cooling Season	All-Steel Heating Season
Baggage—60 ft.	93,070			
“ —66 ft.	127,610			
“ —70 ft.	122,620			
“ —70 ft. (With Auto. End Door)	125,800			
“ —(Dynamo)	98,730			
“		87,120		
Baggage & Mail—60 ft.	103,620			
“ “ “ —69 ft.	124,760			
“ “ “ —70 ft.	129,140			
“ “ “		103,590		
“ “ Passenger	108,675	112,640		
Express Refr.—N. P. Ry.		74,000		
“ “ —A. R. E. No. 40- 154		78,000		
“ “ — “ “ 155- 224		89,000		
“ “ — “ “ 500- 506		110,000		
“ “ — “ “ 1101-1175		85,000		
“ “ —P. F. E. “ 500- 799		83,000		
Express, Horse	133,050			
Postal	112,120			
Postal Storage—40 ft.	74,530			
“ “ —60 ft.	105,120			
Assembly (ACW)			168,950	168,950
Club (ACI)	146,210	122,300	172,200	164,700
Official (NAC)	170,700	155,370		
“ Cars 107-128 (ACW)			182,800	182,800
“ “ 99-140-141 (ACW)			195,040	195,040
Chair—60 ft. (ACI)	100,620		138,000	132,000
“ —72 ft. (ACI)			165,000	157,800
“ —72 ft. (ACW)			158,700	158,700
“ —Streamline—Single (ACS)			108,900	104,500
“ — “ —Art. (ACS)			181,400	172,600
“ —74 ft. (ACI)			180,915	173,125
“ —74 ft. (ACS)			186,000	181,600
Coaches—60 ft. (ACI)	98,130		136,100	130,100
“ —70 ft. (ACI)	137,640		157,800	151,000
“ —70 ft. (ACW)	137,640		151,000	151,000
“ —72 ft. (ACI)			164,500	157,400
“ —72 ft. (ACW)			153,500	153,500
“ —73 ft. 6 in. (ACW)			163,000	163,000
“ —73 ft. 6 in. (ACI)			168,500	161,200
“ —72 ft. (Interurban)	120,000			
All-Day Lunch—Chair	105,970			
“ “ —Coach	103,875			
Cafe-Coach (ACI)		138,600	155,700	149,000*
Cafe-Lounge (ACI)	148,950	161,200	173,500	166,000
“ (ACW)			156,000	156,000
Daylight—(20-car train)			2,163,450	2,163,450
“ —Chair-Baggage (ACS)			124,250	124,250
“ —Articulated Chair (ACW)			203,000	203,000
“ —Diner (triple Unit) (ACW)			336,200	336,200
“ —Chair Car (ACW)			121,200	121,200
“ —Tavern (ACS)			129,180	129,180
“ —Parlor (ACS)			124,600	124,600
“ —Parlor-Obs. (ACW)			117,350	117,350
Lark—(20-car train)			2,755,000	2,547,000
“ —Baggage (NAC)	127,000			
“ —Postal (NAC)	132,000			
“ —Diner (Triple Unit) (ACW)			325,000	325,000
“ —Pullmans (Streamline) (ACM)			146,000	130,000
Diner—70 ft.		135,930		
“ —72 ft.	155,330	146,930		
“ —77 ft. (Arch Roof) (ACI)	156,000		170,100	162,700
“ —77 ft. (“ “ .) (ACW)			162,950	162,950
“ —77 ft. (Clere Story Roof) (ACW)		165,530	169,450	169,450
“ —77 ft. (“ “ “) (ACM)			189,581	173,836
“ —79 ft. (NAC)	169,100			
“ —80 ft. (Clere Story Roof) (ACM)			201,323	184,700
Lounge (“ “ “) (ACI)			189,800	181,630
“ (Arch Roof) (ACI)			167,500	160,300
“ (“ “) (ACW)			164,980	157,780
Observation—75 ft. (ACI)	154,400		169,185	161,900
“ —77 ft. (ACI)			194,543	186,166
“		141,870		
Pullman-Observation (ACI)	160,800	153,000	177,314	169.200
“ “ (ACM)	160,800	153,000	192,300	176,300
“ “ Lounge (ACM)	171,200		194.900	178,900
“ “ “ (ACI)	171,200		187,682	179,600
“ —Bedroom (ACI)	167,600		183,920	176,000
“ — “ (ACM)	167,600		195,800	179,800
“ —Sleeper (ACM)	163,100		191,100	175,100
“ — “ (ACI)	163,100		180,075	171,500
“ —Tourist (ACM)	153,000		185,200	169,200
“ — “ (ACI)	153,000		168,663	161,400

*Steel underframe.

CODE:—

NAC—Non-Air Conditioned.
ACI—Air-Conditioned—Ice System.
ACM—Air Conditioned—Mechanical System.
ACW—Air Conditioned—Waukesha System.
ACS—Air Conditioned—Steam Ejector System.

SURGEONS

LOCATION	NAME	TITLE
San Francisco	Dr. C. A. Walker	Chief Surgeon and Manager.
Los Angeles	Dr. M. T Steele	Assistant to Chief Surgeon.
Los Angeles	Dr. R. W. Starr	Division Examiner and Surgeon.
Los Angeles	Dr. A. S. Lineer	District Examiner and Surgeon.
Los Angeles	Dr. Elmer Nelson	Visiting Physician and Surgeon.
Los Angeles	Dr. R. R. Holzman	District Physician and Surgeon.
Los Angeles	Dr. G. L. Gamette	District Examiner and Surgeon.
Los Angeles	Dr. W. O. Gregg	District Surgeon.
Los Angeles	Dr. D. Beltz	District Surgeon.
Los Angeles	Dr. M. J. Seton	District Physician and Surgeon.
Los Angeles—		
Angelus-Mesa	Dr. F. X. McDonald	District Surgeon.
Inglewood and Hyde Park	Dr. E. D. Charland	District Surgeon.
Huntington Park	Dr. D. E. Stewart	District Surgeon.
Huntington Park	Dr. H. W. Amyes	District Surgeon.
Eagle Rock	Dr. A. E. Hollenbeck	District Surgeon.
Belvedere Gardens	Dr. J. P. Mortenson	District Surgeon.
Hollywood	Dr. R. W. Avery	District Surgeon.
North Hollywood	Dr. T. H. Ransom	District Surgeon.
F. R. Strong Building	Dr. M. H. Burge	District Surgeon.
7th and Central	Dr. J. R. Martin	District Surgeon.
Los Angeles	Dr. R. A Woodhull Dr. Jos. Goldstein	Oculists and Aurists.
Santa Monica	Dr. L. E. Croft	District Surgeon.
Compton	Dr. Ernest I. Mulder	District Surgeon.
Long Beach	Dr. C. H. Woods	Emergency Surgeon.
Wilmington	Dr. W. W. Horst	District Surgeon.
San Pedro	Dr. J. L. Bloch	District Surgeon.
Downey	Dr. R. V. Fernandez	Emergency Surgeon.
Whittier	Dr. J. W. Camp	Emergency Surgeon.
Norwalk	Dr. L. J. Otis	District Surgeon.
Anaheim	Dr. J. L. Beebe	District Surgeon.
Orange	Dr. Arthur J. Nies	Emergency Surgeon.
Santa Ana	Dr. Dexter R. Ball	District Surgeon.
Santa Ana	Dr. John D. Ball	Assistant District Surgeon.
Westminster	Dr. R. I. Johnson	Emergency Surgeon.
Pasadena	Dr. Z. T. Malaby	District Surgeon.
South Pasadena	Dr. John S. Hibben	District Surgeon.
Monrovia	Dr. W. M. Briggs	Emergency Surgeon.
Alhambra	Dr. J. F. Hull	District Surgeon.
San Gabriel	Dr. C. L. Magee	Emergency Surgeon.
El Monte	Dr. E. D. Farrington	District Surgeon.
Puente	Dr. W. W. Schultz	District Surgeon.
San Dimas	Dr. S. Thomasen	Emergency Surgeon.
Covina	Dr. G. H. Ernsberger	Emergency Surgeon.
Pomona	Dr. Geo. W. Kellar	District Surgeon.
Pomona	Dr. S. D. Carney	District Surgeon.
Chino	Dr. H. B. Miller	District Surgeon.
Colton	Dr. C. F. Whitmer	District Examiner and Surgeon.
Colton	Dr. J. N. Martin	Assistant District Surgeon.
San Bernardino	Dr. S. Forsythe	District Surgeon.
San Bernardino	Dr. C. L. Hadley	Oculist and Aurist.
Riverside	Dr. Thomas A. Card	District Surgeon.
Redlands	Dr. H. G. Hill	District Surgeon.
Banning	Dr. A. L. Brankamp	District Surgeon.
Beaumont	Dr. F. D. West	District Surgeon.
Indio	Nurse in charge of Emergency Hospital.	
Indio	Dr. W. H. Blackman	District Examiner and Surgeon.
Indio	Dr. Raymond O'Connell	District Surgeon.
Indio	Dr. M. J. Pierce	Oculist and Aurist.
Calipatria	Dr. Howard E. Hart	District Surgeon.
Westmorland	Dr. O. C. Long	Emergency Surgeon.
Brawley	Dr. A. H. Foster	Associate District Surgeon.
Brawley	Dr. John L. Parker	Associate District Surgeon.
Imperial	Dr. H. V. Gray	District Surgeon.
El Centro	Dr. F. W. Peterson	District Examiner and Surgeon.
El Centro	Dr W. W. Apple	District Surgeon.
El Centro	Dr. H. P. Findley	Oculist and Aurist.
Holtville	Dr. H. B. Graeser	District Surgeon.
Calexico	Dr. T. E. Bartholomew	District Examiner and Surgeon.
Calexico	Dr. Fred C. Gregg	Assistant District Surgeon.
Mexicali	Dr. Mario Flores	District Surgeon.
Yuma	Dr. Wm. A. Phillips	District Examiner and Surgeon.
Yuma	Dr. W. C. Cain	Assistant District Surgeon.
Yuma	Dr. J. H. Sturges	Oculist.
Glendale	Dr. Chester L. Roberts	District Surgeon.
Burbank	Dr. David Thomson	District Surgeon.
Van Nuys	Dr. Chas. B. Canby	Emergency Surgeon.
Canoga Park	Dr. Wm. J. Lakey	Emergency Surgeon.
Fillmore	Dr. Will R. Manning	District Surgeon.
Fillmore	Dr. H. B. Osborn	District Surgeon.
Santa Paula	Dr. D. G. Clark	District Surgeon.
Saticoy	Dr. C. R. Illick	Emergency Surgeon.
Moorpark	Dr. F A. Yoakum	Emergency Surgeon.
Oxnard	Dr. Everett C. Beach	District Surgeon.
Ventura	Dr. Fred A. Shore	District Surgeon.
Ojai	Dr. C. O. Drace	Emergency Surgeon.
Carpenteria	Dr. T. M. Shorkley	Emergency Surgeon.
Santa Barbara	Dr. Chas. S. Stevens	District Examiner and Surgeon.
Santa Barbara	Dr. Edwin R. Kluss	Assistant District Physician and Surgeon.
Santa Barbara	Dr. A. B. Steele	District Surgeon.
Santa Barbara	Dr. Wm. J. Mellinger	Aurist.
Santa Barbara	Dr. W. H. Johnston	Oculist.

Note.—Emergency surgeons should only be summoned for temporary treatment when prompt attention is required and when patients cannot be sent to or await arrival of Division or District Surgeon.

HOSPITALS

General Hospital—San Francisco, Cal.
White Memorial Hospital, Los Angeles, Cal.
Emergency Hospital, East Los Angeles, Cal.
Emergency Hospital, Indio, Cal.

RULE 2. Watch inspectors:

S. A. Pope, Manager of Time Service, 65 Market St., San Francisco.

Los Angeles	Baehr-Bakula, Inc., 103 Pacific Electric Bldg. Geo. D. Davidson Co., 445 S. Spring St. O. H. Patzer, 2708 North Broadway Ralph Laraway, 1226 San Fernando Rd.

Huntington Park	James Podmore	Colton	E. W. Cosgrove
Glendale	John R. Leaney, 112 W. Broadway	Redlands	Howard S. Smith
		Banning	B. B. Felts
Santa Ana	R. A. Ewert	Indio	The E. G. Shepard Co.
Oxnard	Jack Davis	Yuma	J. H. Huber
Santa Barbara	H. V. Weirum	Van Nuys	C. H. Berggren
San Pedro	Chas. E. Perham	Ventura	R. W. Cummings
Long Beach	Leo Miller	Brawley	F. T. De Arman
Pasadena	J. Herbert Hall Co.	El Centro	J. L. Bledsoe
Pasadena	Geo. W. Collis	Calexico	E. E. Pinnell
Alhambra	H. E. Wellman	Fillmore	Duard E. Goble
Covina	J. Howard Boal	San Bernardino	Chas. M. Hanf
Pomona	W. R. Parsonage	Riverside	F. S. Fisher

RULE 10. Between Grand Terrace and San Bernardino, signals must be placed as follows: Grand Terrace and Colton, on the right, facing westward; Colton and San Bernardino, on the right, facing eastward.

RULE 10 (J). Round yellow slow boards indicate by black figures the speed restrictions applying to trains which consist of streamlined cars with engines counterbalanced for speeds of 75 MPH or over.

Mile Post location of slow boards which restrict the speed of trains, as indicated on slow board, while engine of such train is passing distant signal three-fourths mile beyond the slow board:

Eastward					Westward
SANTA BARBARA-BURBANK JCT.					
374.89	410.67	421.44		413.71	373.12
379.86	414.95	439.26		421.21	378.83
381.79	418.31	460.10		424.92	394.28
405.66					
SAUGUS-LOS ANGELES					
459.81	465.92				463.14
461.92	475.13				475.87
LOS ANGELES-COLTON					
537.40					488.10
COLTON-INDIO					
542.76	566.49	597.55	547.77	569.94	583.76
553.96	570.05	600.25	550.90	579.84	592.97
563.94	593.73		554.41		
INDIO-YUMA					
622.12	649.09	666.75	616.37	652.66	677.53
627.17	653.98	682.38	626.16	657.19	696.98
636.11	658.46	688.18	630.42	662.13	705.02
640.48	661.94	707.93	639.76	665.16	710.90
644.76	665.31		643.70	668.04	718.50
			648.39	669.19	724.22

RULE 14 (d). As specified below, —— —— —— —— o sounds will be indication that flagman may return from west as prescribed by Rule 99:

Saugus	Trains on Santa Paula Branch.
Burbank Jct.	Trains on Coast line via Northridge.
Burbank	Trains on Burbank Branch.
Mission Jct.	Trains on River Station Tower line.
Pomona	Trains on Covina Branch.
Araz Jct.	Trains on Inter-Cal. line.

RULE 14 (e). As specified below, —— —— —— —— —— —— sounds will be indication that flagman may return from east as prescribed by Rule 99:

Calipatria	Trains on Sandia and Westmorland Branches.
Niland	Trains on Calexico line.
Bryn Mawr	Trains on Redlands Branch.
Colton	Trains on Riverside and San Bernardino Branches.
Pomona	Trains on Chino Branch.
Bassett	Trains on Covina Branch.
Alhambra	Trains on Pasadena Branch.
Chatsworth	Trains on Burbank Branch.
Ventura Jct.	Trains on Ojai Branch.
Montalvo	Trains on Santa Paula Branch.
Wilmington (Anaheim Blvd.)	Trains on Long Beach Branch.
Firestone Park	Trains on Santa Ana Branch.
West Anaheim	Trains on Los Alamitos Branch.
Tustin Jct.	Trains on Tustin Branch.
Stanton Jct.	Trains on Los Alamitos Branch.
River Station Tower	Trains on Mission Jct. line.

RULE 14 (1). Eastward trains sound whistle signal 14(1) one-fourth mile west of Ventura River Bridge, and Westward trains sound whistle signal 14(1), at signboard "Ventura Junction Switch."

RULE 17 (C). Headlight on light engines running forward must be dimmed in A, B, and C units Los Angeles yard.

RULES 17 and 17(C). Mars Signal Light on engines so equipped must not be used.

RULE 21 (C). Indicators on extra trains will be displayed during time train is in Colton yard.

Indicators may be displayed on incoming engines at Indio until they arrive at roundhouse.

RULE 26. Colton—Three-indication light type signals at each end of PFE track 6, Colton yard, may display either a blue, yellow, or red aspect.

When blue aspect is displayed cars on this track must not be coupled to or moved.

When yellow aspect is displayed engines with or without cars will proceed with caution.

When red aspect is displayed engines with or without cars must not enter the shed.

When the light fails in such signals, the signal must be regarded as displaying its most restrictive indication, and yardmaster or engine foreman or conductor should contact the general foreman or other person in authority at the Colton Ice Plant, and be governed by his instructions.

RULE S-72. Westward trains are superior to trains of the same class in the opposite direction.

RULE 82 (A). Trains must obtain clearance before leaving:

Los Angeles Yard, River Station Tower or Firestone Park, en route to Firestone Park Subdivision.

Beaumont	Westward trains and Eastward first-class trains.
Apex	Eastward trains except first-class.
Indio	First-class trains
Indio Yard	Westward trains, except first-class.
East Indio	Eastward trains, except first-class.
Niland	All trains.
Yuma	Inter-California Railway routed trains, Inter-California Railway clearance in addition to Los Angeles Division clearance.

Westward trains via Mojave Subdivision through Burbank Junction must obtain clearance at initial station on Los Angeles Division, endorsed "San Joaquin Division", in addition to clearance from Los Angeles division endorsed "Los Angeles Division."

Trains to or from Mojave Subdivision are not required to obtain clearance at Burbank Junction, provided train is properly cleared by train-order signal, except trains originating.

Eastward extra trains with running orders terminating at Burbank Junction may proceed beyond that station without a clearance, being governed by train-order signal.

Santa Barbara—Train-order office is located at freight station.

Santa Barbara—Conductors and engineers of westward first-class trains receiving train-orders clearance, and instructions at train-order office will deliver them to relieving crew at passenger station.

Colton.........Train-order office is located at yard office.

RULE 83. Identification may be made by eastward trains on double track between Santa Barbara and East Santa Barbara to be applied at end of double track. Trains approaching each other between these stations must reduce speed sufficiently to permit identification. Westward trains must comply with Rule 14 (k) when approaching trains on opposite track.

Identification may be made by westward trains on double track between Yuma and Araz Junction, to be applied at end of double track. Trains approaching each other between these stations must reduce speed sufficiently to permit identification. Eastward trains must comply with Rule 14 (k) when approaching trains on opposite track.

RULE 83 (A). At the following station only trains indicated will register:

Los Angeles Yard, originating or terminating, except engines without cars to or from Ventura and Pomona Subdivisions.

Operator Indio will repeat registration of first-class trains to operator Indio Yard for entry in register. Registration must be repeated for verification.

RULE 83 (B). Trains may register by ticket as follows:

Colton	First-class
Colton	Eastward third class and extras arrival
Beaumont	All trains
East Indio and Indio Yard	First-class trains
Niland	Nos. 1, 2, 3, 4, 5, 6, 43, 44, 822, 824, 826
Indio	First-class

Santa Barbara—First-class trains must register by ticket at train-order office.

RULE 92. First sentence does not apply to trains arriving Los Angeles LAUPT.

RULE 93. Yard limits in which the provisions of Rule 93 will apply are established at the following points:

West MP		East MP
508.37	Anaheim	510.68
	" (Los Alamitos Br.)	509.26
561.06	Beaumont	563.60
684.11	Brawley	688.24
706.40	Calexico	708.88
674.52	Calipatria	677.27
	" (Sandia Br.)	676.51
536.51	Colton	541.14
	" (Riverside Br.)	540.70
	" (San Bernardino Br.)	540.18
504.53	Covina	505.69
551.00	Crafton	551.64
697.83	El Centro	700.89
699.81	" (Sandia Br.)	
423.54	Fillmore	425.62
703.05	Heber	704.84
708.53	Holtville	
694.13	Imperial	696.62
607.85	Indio	613.12
462.32	Los Angeles (Coast line)	
471.20	" (Saugus-Alhambra line)	488.69
	" (Burbank Br.)	466.19
	" (Pasadena Br.)	488.24
	" (San Pedro Br.)	489.90
	" (Santa Ana Br.)	489.99
	" (Santa Monica Br.)	
403.25	Montalvo (Santa Paula Br.)	404.83
666.09	Niland	668.69
668.27	" (Calexico line)	
519.20	Ontario	521.32
406.61	Oxnard	409.12
512.54	Pomona	515.71
513.30	" (Covina Br.)	
547.29	Redlands, 2nd Street	548.51
544.85	Riverside	
541.15	San Bernardino	
502.01	San Pedro	
516.15	Santa Ana	517.68
369.16	Santa Barbara	373.71
412.57	Santa Paula	416.53
449.41	Saugus	452.60
448.17	" (Santa Paula Br.)	
397.13	Ventura	399.45
	" (Ojai Br.)	398.16
731.51	Yuma	737.87

Approach west switch "A" unit, Los Angeles Yard, on third track east of Glendale Tower with caution. Call for signal from switchtender; failing to receive signal, stop west of Fletcher Drive, except trains consisting of over 71 cars. Switchtender will permit movement by signal over Fletcher Drive sufficient distance to clear the interlocking limits of Glendale Tower, and train crew will then cut Fletcher Drive crossing.

Eastward freight trains held at Glendale Tower, and having Los Feliz Boulevard crossing cut, will, after receiving "Proceed" interlocking signal, couple up the crossing and during coupling operation may expect Glendale Tower to permit traffic, including Pacific Electric cars, to cross the tracks. As soon as train is recoupled and air pumped up, engineer will sound whistle. Glendale towerman will then place interlocking signal in "Proceed" position.

Westward trains before entering "A" unit, Los Angeles Yard, must sound whistle signal —— o —— unless switches are lined for the route to be used and a proceed signal is received from switchtender.

Switch leading westward off westward main track towards Butte Street yard, Butte Street Jct., also crossover switches in same location, may be left as used.

Colton—Trains and engines must stop clear of lead to P. F. E. yard on west leg of wye and before crossing lead on east leg of wye, except on receiving signal from member of crew or herder at either of the locations, train may proceed without stopping. In the absence of herder, member of crew must precede the train or engine and ascertain that no train or engine is approaching before fouling the lead or crossing.

West switch eastward siding, Loma Linda, will be remote-controlled by switchtender east end Colton yard. Operation between east switch Colton and west switch eastward siding Loma Linda will be governed by block signal indication which supersedes the superiority of trains. Eastward trains must not pass fouling point, east switch Colton yard unless proceed signal is received from yardman at east switch (green flag or green light).

Trains or engines stopped by Signals 5402SA, 5401SA, or 5403SA will communicate with switchtender east end Colton yard, and be governed by his instructions. Telephone in door of concrete relay shelter just south of switch.

Trains and engines must move with caution not exceeding 20 MPH between east switch Colton and west switch eastward siding Loma Linda.

RULE 95. Sections of eastward first-class schedules taking down signals at Colton must do so at train-order office.

Eastward trains from San Joaquin Division holding train-order authority to display signals for following section to Burbank Jct. are authorized to display signals to terminal station of schedule on Los Angeles Division.

RULE 97. Extra trains must not run via Santa Paula, Burbank, Covina, or Sandia branches unless train order so specifies.

RULE D-97 (A). Will apply between following points:
Santa Barbara and East Santa Barbara.
Burbank Jct., Los Angeles and Alhambra via East Bank Jct.
San Pedro Branch, Easterly limits Dayton Ave. Tower interlocking plant and Firestone Park.
Araz Jct. and Gantlet Track.

RULE 98. RAILROAD CROSSINGS NOT INTERLOCKED.

Cars must not be kicked over a railroad crossing not protected by an Interlocking plant, unless a member of the crew is at crossing.

Los Angeles Ry., on following spurs, Boyle Mfg. Co., Santa Fe Ave., near Fruitland Road; California Dressed Beef Co., 3969 Santa Fe Ave.—STOP 25 feet from crossing and do not proceed until member of crew has gone on to crossing, ascertained that it is safe to do so, and has given suitable proceed signal.

Los Angeles Ry., on Second St., Los Angeles, Davies Spur—STOP.

Los Angeles Ry., on Central Ave., Los Angeles, Bernard Spur—STOP.

Los Angeles Ry., on Mateo St., East end coach yard—STOP. After stop has been made, clear of the Los Angeles Ry. tracks, yard engine must not proceed if a car is approaching on the Los Angeles Ry. tracks within 125 feet of the crossing, until such car has been stopped clear of the crossing. Waiting car on Los Angeles Ry. tracks must have right of way provided ready to move immediately.

A. T. & S. F. Ry., Industrial track south of Mission Tower, crossing Gladding, McBean Co., Wilson & Co. and Eureka Supply Co. spur—STOP. If crossing clear and no engine or car approaching, proceed.

Pacific Electric Railway:

Van Nuys—Approach not exceeding 8 miles per hour. If crossing clear, proceed.

One mile east of Southgate-Tweedy Blvd., 1.1 miles east of Vernondale—approach not exceeding 6 miles per hour. If crossing clear, proceed.

One half mile east of Wilmington (Anaheim Blvd.) San Pedro Branch unless clear view and crossing seen to be unobstructed—STOP.

0.6 mile east of Anaheim Blvd., San Pedro Branch—STOP.

One mile east of Wilmington (Anaheim Blvd.), Long Beach Branch, and 0.4 mile east of Stanton, Los Alamitos Branch—Trains and engines must stop before proceeding over crossing and a member of the crew must go forward and ascertain that no train is approaching on opposing route in either direction that will interfere with movement of their train over crossing. In foggy or inclement weather when view is obscured all cars and trains on the opposite line of railroad will be brought to a stop before proceeding over the crossing.

Santa Ana, Griffith Lumber Spur—STOP.

Pasadena Branch M. P. 488.5—STOP, be preceded by flagman and not foul crossing if Pacific Electric train is approaching.

Union Pacific Ry.—Old Chino line, Ontario—STOP. Electrically locked derail. Instructions for operating located inside door of box opposite derail.

Colton—Trains or engines must approach crossing prepared to stop before fouling same. When it is seen crossing is clear, trains or engines may proceed without stopping. Engines shoving cars will stop clear of crossing and proceed when same is seen to be clear. Cars must not be kicked over this crossing.

A. T. & S. F. Ry., E Street, San Bernardino—STOP.

All trains and engines must approach this crossing with caution and stop not less than 50 feet from the crossing and not proceed until member of crew has gone forward and ascertained that no trains, cars, or engines are approaching on opposing route in either direction that would interfere with the movement of their train over the crossing. If any trains, cars, or engines are approaching on opposing route, movement over the crossing shall not be started until such approaching trains, cars, or engines have been brought to a stop. In event of simultaneous arrival at the crossing, precedence shall be given to occupied passenger trains or cars; otherwise, Santa Fe trains, engines, or cars shall have precedence.

RULE 103 (A).

Trains must stop and traffic on highway be protected by member of the train crew over the following street crossings:
Edison Spur one mile west of Pardee—Telegraph Road on Spur. (Movements to be made only during daylight hours.)
Limoneria Spur and Rockbank—Telegraph Road on spur.
Industrial—Fletcher Drive, on Van de Kamp spur.
Los Angeles Yard—Wilson St., Mateo St.
South Gate (Atlantic Blvd.)—Independence Avenue, on Philadelphia Quartz Co. spur.
Lynwood—Truck Boulevard, on Pacific Iron and Steel Co. spur.
Riverside—Orange Avenue, Seventh and Eighth Streets.
Redlands Second Street—Orange Street, Second Street.
Redlands Second Street—Fourth Street on Mutual Orange Assn. spur.
Anaheim—Los Angeles Street.
Santa Ana—Fourth Street.
Alhambra—Mission Road on track leading to Edison Plant.
Indio—Highway California Date Growers Assn. spur.
Yuma—All crossings in old yard.

El Centro—Before pushing or backing cars on house track or drill tracks over Main Street crossing, flagman must be placed on crossing until leading car has passed.

RULE 104. The normal position of switches at junction points is as follows:

Ventura Jct.	For Santa Barbara—Ventura main track.
Saugus	Switch in middle siding, to Santa Paula Branch, for siding.
Naud Jct.	River Station Tower—Washington St. Jct.
Firestone Park (eastward)	Los Angeles—Anaheim Blvd.
Firestone Park (westward)	Santa Ana—Los Angeles.
West Anaheim and Tustin Jct.	For Santa Ana Branch.
Stanton Jct.	West Anaheim—Los Alamitos.
Lone Hill	Pacific Electric main track.
La Verne	Pacific Electric San Bernardino line.
Ganesha Jct.	Southern Pacific main track.
Calipatria	Westmorland Branch and Sandia Branch—For Niland-Calexico main track.

Inside crossover switch west end team track, Ventura, must be left lined for the straight track.

Loma Linda—Normal position of inside switches of crossovers at east end, eastward siding, and west end, westward siding, is for movement between eastward and westward sidings.

DERAILS IN MAIN TRACK

TUSTIN BRANCH

Tustin—10 feet east of east switch.

SANTA ANA BRANCH

Dyer—M.P. 519.67.

COVINA BRANCH

Bassett—120 feet west of water tank, M.P. 497.52.
Pomona—50 feet west of west line of Rebecca St., M.P. 514.8.

REDLANDS BRANCH

Crafton—163 feet west of west switch, M.P. 551.1.
Crafton—400 feet from end of track, M.P. 551.6.
Redlands, 2nd Street—West end of Mill Creek bridge, M.P. 547.33.

SANDIA BRANCH

Calipatria—174 feet east of junction switch, M.P. 676.05.

WESTMORLAND BRANCH

Calipatria—171 feet east of junction switch, M.P. 676.05.

OJAI BRANCH

Ventura Jct.—250 feet east of junction switch.
Ojai—6 feet west of initial switch.

SANTA PAULA BRANCH

Montalvo—350 feet west of switch to M.O.D. track.

RULE 104 (D). Use of heavier than C class engines in making running switches is prohibited unless engine is routed over other than diverging track, except at east end Beaumont where speed must not exceed 8 miles per hour entering turnout.

RULE 105. Chatsworth—West end Burbank Branch is at east connection switch, Signal 4461, east of station building.

Bassett—West end Covina Branch is at Covina main track derailing switch near water tank.

Pomona—West end Chino Branch is at the connection at east end of siding.

Niland—West end Calexico Subdivision is at connection just west of station building.

Oxnard—West switch to siding located at Signals 4077 and 4078. Inside switch on siding must be left lined for drill track.

Pomona—First-class trains, meeting, will use connections just east and west of station building to enter and leave siding.

Colton—Track opposite passenger station extending from east limits Colton tower M.P. 538.81 to point opposite east end freight station M.P. 539.11, is designated as siding for use passenger trains.

Loma Linda—Westward siding may be used by eastward trains on receipt of instructions at Loma Linda over the signature of Chief Train Dispatcher. Eastward siding may be used by westward trains on receipt of instructions at Loma Linda over the signature of General Yardmaster, Colton.

Indio—Eastward first-class and extra passenger trains required to take siding will do so through connection 200 feet east of Signal 6106 unless otherwise instructed.

Indio—Westward first-class and extra passenger trains required to take siding will do so at east switch of west yard at Signal 6123 unless otherwise instructed.

To avoid delay to opposing trains, eastward trains taking siding at Edom, Palm Springs, and Camarillo; and westward trains at Oxnard; and both eastward and westward trains at Garnet, will stop back of the home signal until the switch is thrown to enter the siding.

Trains taking siding at stations where eastward and westward sidings are designated by the letters "E" and "W", respectively, must enter at initial switch, direction bound, unless otherwise instructed.

RULE 221. Light will not be displayed in train-order signals on Firestone Park Subdivision east of Firestone Park; nor on Santa Paula and Covina branches except when train orders are to be delivered.

Los Angeles Yard is a train-order office only for trains originating.

Apex is a train-order office only for eastward trains, except first-class.

Beaumont is a train-order office only for westward trains and eastward first-class trains.

Indio is a train-order office only for first-class trains.

Indio Yard is a train-order office only for westward trains, except first-class.

East Indio is a train-order office only for eastward trains, except first-class.

RULE 825. When necessary to cut crossing and a distance of 100 feet on each side cannot be provided, a flagman must protect. Cars must not be left in any position that would in any way intercept the view of an autoist or pedestrian of an approaching train, unless crossing is protected as stated above.

In cutting crossing Sepulveda Boulevard, Raymer; openings must be made so that cars or engines will not be left within 100 feet of either property line unless crossing is protected by a member of train crew or other competent employe acting as flagman.

Cars must not be left standing on tracks within 100 feet of the following intersections at Burbank: Burbank Boulevard, Magnolia Ave., Olive Ave., Verdugo Ave., Alameda Ave., except cars may be spotted for service at Libby, McNeill & Libby Plant, S. E. corner of Verdugo Ave. and S. P. tracks; Andrew Jergens Soap Co., S. W. corner of Verdugo Ave. and S. P. tracks; Hudson-Bonney Lumber Co., N. E. corner Alameda Ave. and S. P. tracks; on Team Track, most northerly track crossing Olive Avenue.

Santa Barbara—Skids located on fence next to main track west of Chapella Street and west of Montecito Street must be placed on both rails against east wheels of cars set out on passenger station house track, to prevent unauthorized movement. When not in use they must be returned to proper location.

North Hollywood—Cars must not be left standing on house track east of derail.

When cars are left on grade not protected with derails they must be chained to rail.

RULE 827. On freight trains moving on all branches except San Pedro, Long Beach, Santa Ana and Sandia, a member of train crew must ride on rear platform of caboose to observe any condition requiring an immediate stop of the train.

RULE 833. Whenever practicable locomotive cranes, or cranes of similar type must be handled in trains with heavy end forward.

Except those of Southern Pacific ownership, cranes or machines of similar type, with rotating body, loaded on open cars, must not be moved until inspected and released by mechanical department. Conductors must not move Jordan Spreaders, except when in use, unless wings are protected against spreading by chain or tie bar extending from wing to wing and wing arm to wing arm.

RULE 836. Cars moved from one station to another ahead of engine on descending grade must be chained to the engine. Switching movement on descending grades must be protected by a derail. When practicable engine must be kept on lower end of cars.

When necessary to move cars ahead of engine do not exceed 20 M.P.H.

RULE 843. When a train is split at two sidings for the purpose of meeting or passing trains, conductor must accompany both portions of the train.

RULE 869. All brakemen except rear brakeman must ride on top of train as follows:

Beaumont to Edom
Beaumont to Colton

Trainmen must remain with their portion of train until it stops on designated track in yards.

Fourth or additional brakemen must ride near middle of portion of train assigned to them.

Trainmen must not ride on top of train while passing through Tunnel 26 between Hasson and Chatsworth.

RULE 505. AUTOMATIC BLOCK SYSTEM

Block signals in addition to those shown in brackets on schedule pages are in operation as follows:

Eastward and westward freight main tracks between Los Angeles Yard Office and Dayton Ave. tower.

North Broadway Bridge San Pedro Branch	Westward track
East end "A" freight shed San Pedro Branch	Eastward track
Firestone Park	Governing westward trains
Piru, East and West end	Distant signals
Camulos, East end	Distant signal
Newhall Ranch, East end	Distant signal
El Casco Siding	

Beaumont Siding—between dwarf Signal 5626 located at east leg of wye and east end of Beaumont Siding.

When Signals 4789, 4791, 4793 and 4790 Los Angeles Yard indicate stop, trains must not proceed until signal indicates proceed, or hand signal to proceed is received from switch tender.

West switch of cross-over located at Arroyo Jct. is equipped with electric switch lock with semaphore indicator and push button release. To use crossover open door of electric switch lock. If indicator indicates "Track Unoccupied", throw lever to the left, then throw switch, and restore electric lock lever to normal; close and lock door. If indicator indicates "Track Occupied" and no reasons seen therefor, operate push button release in accordance with instructions on inside of door. Push button will release electric switch lock.

Following instructions govern operation of push buttons at following locations:

Oxnard —East End
Walnut —East End
El Casco —West End
Cabazon —East End
Palm Springs —West End
Garnet —East End

Push buttons and lights are located on mast of signal governing movements on main track direction bound. Train occupying main track may clear signal governing movements from siding by pressing button with number corresponding to the number of signal governing movements from the siding. Train on the siding to let train on main track pass should not pass overlap post 500 feet from signal governing movement from siding. If necessary to pass overlap post, press button with number corresponding to number of signal governing movements on main track.

Instructions for operating signals are located inside of push button box.

When signals 5396 at Colton; 6106, 6115, 6116, 6118, 6119, and 6123 at Indio; and 7085 at Calexico are found in "stop" position, train, after stopping, may proceed with caution, not exceeding 12 MPH to next home signal.

When block Signal 4841 east of Taylor Jct. indicates "stop", a member of the crew of freight trains will communicate with signal operator at Mission Tower by telephone located on the signal, and be governed by his instructions as to when train can be handled through Mission Tower interlocking plant.

When special type signal mounted on mast of Automatic Signal 4864 indicates "stop", eastward freight trains will be brought to a stop west of sign reading "SPECIAL SIGNAL LIMIT" located 200 feet west of Westminster Avenue crossing M. P. 487.3, and a member of the crew will communicate with Alhambra Operator by telephone located at Westminster Avenue and be governed by his instructions before proceeding.

Special signal, normally dark, located at M.P. 513.6 immediately west of Hamilton Boulevard, Pomona, may display flashing white aspect to authorize eastward movement on siding east of Hamilton Boulevard. Eastward trains, except first-class, taking siding at Pomona will not proceed east of Hamilton Boulevard except on receipt of flashing white aspect of above special signal or under train order or schedule authority.

Signals at clearance points governing movements to main track under automatic block system rules, are located at the following points:

Signal 3973—Ventura Junction.
" 4036—Montalvo wye.
" 4075—Oxnard, west end house track.
" 5076—East switch, Walnut.
" 5084—Hill-Benton spur.
" 7320—Colorado, east leg of wye.
" 6992—El Centro, S. D. & A. E. Junction.

Push button on Signal 5076 to be used to obtain proceed indication of Signal 5076 in event a reverse movement is made on main track within siding limits.

Signals will indicate "proceed" when derails and main track switches are set for movement to the main track and block is clear.

RULE 510. The following block signals equipped with triangular number plate displaying the letter "P" have included in their control limits some special protective device.

Eastward Signal	PROTECTION	Westward Signal
P-3720	Spring switch, end double track, East Santa Barbara	P-3721
P-3722	Spring switch, east end freight lead, Santa Barbara	P-3741
	Spring switch, Ortega	P-3773
P-4086 P-4088	Spring switch, Oxnard	P-4089
	Spring switch, Camarillo	P-4173
	Spring switch, Hasson	P-4411
P-4452	Spring switch, Chatsworth	
P-4880	Spring switch, end double track, Alhambra	P-4881
P-5456	Spring switch, Redlands	
P-5482	Spring switch, Ordway	
P-5520	Spring switch, El Casco	P-5521 P-5523
P-5568	Spring switch, Hinda	
P-5590	Spring switch, Nicklin	
	Spring switch, Pershing	P-5665
	Spring switch, Banning	P-5689
	Spring switch, Owl	P-5725
P-5732 P-5742 P-5744	Spring switch, Cabazon	P-5745
	Spring switch, Mons	P-5767
	Spring switch, Fingal	P-5787
P-5814	Spring switch, Palm Springs	P-5815 P-5817 P-5827
	Spring switch, Hugo	P-5863
P-5878 P-5888 P-5890	Spring switches, Garnet	P-5879 P-5881 P-5891
P-5986	Spring switch, Edom	P-5997
	Spring switch, Dry Camp	P-6027
	Spring switch, Myoma	P-6075
P-7260 P-7632	Spring switch, Araz Jct.	P-7259 P-7261 P-7263 P-7265

RULE 516. At Pershing and Flowing Well be governed by following:

When holding main track to meet a train, do not open switches until train to be met has passed signal intermediate to next station. When taking siding to meet a train, do not close main track switch until rear of train has passed fouling point or derail.

Overlap posts:

Ailsa	—Eastward Trains	300 feet east of west switch.
Bryn Mawr	—Eastward Trains	MP 544.2
Nicklin	—Eastward Trains	MP 559.6
Nicklin	—Westward Trains	MP 559.6
Pershing	—Eastward Trains	MP 565.8
Owl	—Eastward Trains	MP 571.9
Mons	—Eastward Trains	MP 575.8
Mons	—Westward Trains	MP 575.9
Bernice	—Westward Trains	Midway between switches
Colorado	—Eastward Trains	Signal 7318

RULE 535. SPRING SWITCHES

Spring switches located as follows and speed indicated must not be exceeded passing through turnout:

	Passenger MPH	Freight MPH
East end of double track, East Santa Barbara	25	20
East end of freight lead, East Santa Barbara	15	15
East switch of siding, Ortega	15	15
East switch of siding, Oxnard	15	15
East switch of siding, Camarillo	15	15
East switch of siding, Hasson	15	15
West switch of siding, Chatsworth	15	15
End of double track, Alhambra	25	20
West switch of siding, Redlands	15	15
West switch of siding, Ordway	15	15
West switch of siding, El Casco	15	15
West switch of siding, Hinda	15	15
West switch of siding, Nicklin	15	15
East switch of siding, Pershing	15	15
East switch of siding, Banning	15	15
East switch of siding, Owl	15	15
West switch of westward siding, Cabazon	15	15
East switch of eastward siding, Cabazon	15	15
East switch of siding, Mons	15	15
East switch of siding, Fingal	15	15
West switch of siding, Palm Springs	15	15
East switch of siding, Palm Springs	15	15
East switch of siding, Hugo	15	15
West switch of siding, Garnet	15	15
East switch of siding, Garnet	15	15
East switch of siding, Edom	15	15
East switch of siding, Dry Camp	15	15
East switch of siding, Myoma	15	15
End of double track, Araz Jct.: Junction switch, Inter-California Railway and west switch cross-over leading from westward main track to eastward main track	25	20

TAKE-SIDING INDICATORS

RULE 705. Cabazon: When the letter "S" is displayed the letter "E" or "W" will also be displayed. When letter "E" is displayed in conjunction with letter "S", trains in either direction will use eastward siding. When letter "W" is displayed in conjunction with letter "S", trains in either direction will use westward siding. Eastward trains using westward siding and westward trains using eastward siding must take necessary precautions for safety.

RULE 726. STAFF SYSTEM

COVINA BRANCH

Between Lone Hill and Ganesha Junction, and between Baldwin Park and Irwindale, on Reliance spur between initial switch and Consolidated Rock Co. yard.

RULE 740. ABSOLUTE-PERMISSIVE BLOCK SYSTEM

JOINT TRACK BETWEEN MP 459.9 AND NORTH HOLLYWOOD

Absolute-Permissive Block System governs Joint Track between MP 459.9 and North Hollywood, Burbank Branch.

Normal position of junction switches at North Hollywood and MP 459.9 is for Pacific Electric movements and normal position of signals at junction switches is "stop". Switch indicators are in use.

If switch indicator indicates "block occupied", wait 10 minutes, and if no train is heard or seen approaching, the switch may then be set for movement from Southern Pacific track. If signal does not then indicate "proceed", comply with Rule 744.

Crossover between Southern Pacific and Pacific Electric main tracks, located 1200 feet west of North Hollywood Station, is provided with switch indicator. Switch at west end of house track to Pacific Electric main track, North Hollywood, is provided with switch indicator and signal. If either of these switch indicators indicates "block occupied", after waiting 10 minutes, comply with Rule 509(J) and Rule 99.

To avoid delay to Pacific Electric trains, switches must be restored to proper position immediately after having been used.

YUMA—OPERATION THROUGH GANTLET TRACK

Operation through gantlet track by absolute-permissive block system rules between ABSOLUTE signals west of bridge and ABSOLUTE signals east of bridge, speed of 8 miles per hour must not be exceeded until engine has cleared gantlet track.

Signal governing eastward movement against current of traffic on westward main track will indicate "proceed" only when train or engine is on approach circuit and push button opposite signal is pressed.

Signal governing westward movement against current of traffic on eastward main track will indicate "proceed" only when train or engine is within 275 feet of signal.

When train or engine has received "proceed" indication from either signal east of bridge and is holding the indication by reason of standing within less than 275 feet of signal, the signal may be released and "proceed" indication secured on adjoining track by operating proper push button located on signal case adjoining high signal after train it is desired to move has entered approach signal circuit. Operating push button 7321 P.B. will place dwarf signal at "stop" and clear high signal. Operating push button 7323 P.B. will place high signal at "stop" and clear dwarf signal.

High signal west of bridge will not indicate "proceed" until after engine has passed overlap post 1100 feet west of this signal.

Eastward trains waiting at Colorado for westward train will remain west of overlap post.

Eastward freight trains held out of Yuma Yard by Yardmaster's instructions will remain west of signal 7314.

Directions for use and operation of push buttons located inside push button box.

SPECIAL SIGNALS

JOINT TRACK OVER BRIDGE 540.11

Southern Pacific track on Bridge 540.11 over Santa Ana River, Riverside Branch, will be used as joint track by Southern Pacific and Pacific Electric trains.

Movement on joint track is controlled by manually operated "Light" signals.

All trains and engines must stop at the "Stop" boards located at the fouling point each end of joint track.

Intermediate signals are located midway between junction switches.

In the absence of "Light" in intermediate signal, it must be regarded as displaying its most restrictive indication.

Switches for operating "Light" signals are located in boxes at each end of joint track. Normal indication of "Light" signals is dark. Before entering joint track, member of crew will operate "Light" signal switch in cut-in box.

Green "Light", when obtained by operating "Light" signal switch, will be authority to proceed. If green or red "Light" is displayed in "Light" switch box and in home signal prior to operating switch "Light", or both green and red "Lights" appear when "Light" switch is operated, it indicates that joint track is occupied.

If "Light" signals fail to appear when "Light" switch operated, or both green and red "Lights" continue indication, restore "Light" switch immediately to original position. If opposing train does not appear, wait at least five minutes and proceed over joint track under protection of flagman.

Procedure for use of joint track must be followed separately for each movement.

After use of joint track, member of crew will operate "Light" signal switch in cut-out box to extinguish lights as soon as joint track is clear.

Normal position of switches at both ends of joint track is for Southern Pacific trains.

GOVERNING OPERATION OF SIGNALS ,ARAZ JCT.

Araz Jct. Two-indication light signal located on mast of automatic home Signal No. 7275 governs westward movement through east crossover and against current of traffic on eastward main track to westward light type automatic dwarf Signal P-7263 and will indicate proceed only after both switches of east crossover are set for crossover movement and block is unoccupied.

Two-indication light signal located on mast of automatic Signal P-7265 governs westward movement through crossover and against current of traffic on eastward main track to Signal P-7261. Light Signal P-7265 will indicate proceed after east switch to crossover is set for crossover movement and block is unoccupied.

Trains and engines will operate between Signal P-7265 and P-7261 against current of traffic on eastward main track on signal indication which supersedes the superiority of trains.

Two-indication light type automatic dwarf Signal P-7263 governs westward movement on eastward track to Signal P-7261.

Three-indication light type automatic Signal P-7261, normally stop, governs westward movement as follows: green, movement on eastward main track via Knob; yellow, movement on eastward main track via Inter-California Railway. To obtain signal for movement on eastward main track via Knob, operate push button No. 7261 in box located on signal case at west end of Bridge No. 726.08, south side of track. If signal does not indicate proceed in three minutes, be governed by Rule 509. To obtain signal for movement to Inter-California Railway, set the Inter-California Railway junction switch for that movement. If signal does not indicate proceed in three minutes, be governed by Rule 509.

Signal P-7261 may be released and proceed indication secured on Signal P-7259 by operating push button No. 7259 in box located on signal case of Signal P-7259, waiting three minutes for time release.

Eastward train via Knob, finding Signal P-7260 in proceed position and desiring to give precedence to eastward train from Inter-California Railway, will operate push button No. 7632 in box located on case of Signal P-7260. If Signal P-7632 does not indicate proceed in three minutes, be governed by Rule 509.

Eastward train via Knob, finding Signal P-7260 indicating stop account eastward train via Inter-California Railway occupying approach circuit and desiring to proceed on eastward track ahead of train on Inter-California Railway main track, will operate push button No. 7260 in box located on case of Signal P-7260. If signal does not indicate proceed in three minutes, be governed by Rule 509.

Eastward train via Inter-California Railway, finding Signal P-7632 in proceed position and desiring to give precedence to eastward train via Knob, will operate push button No. 7260 in box located on case of Signal P-7632. If Signal P-7260 does not indicate proceed in three minutes, be governed by Rule 509.

Eastward train via Inter-California Railway, finding Signal P-7632 indicating stop account eastward train via Knob occupying approach circuit and desiring to proceed on eastward track ahead of train from Knob, will operate push button No. 7632 in box located on case of Signal P-7632. If Signal P-7632 does not indicate proceed in three minutes, be governed by Rule 509.

When red light shows in push button box on Signal P-7632, push button No. 7632 must not be operated until eastward train from Knob is stopped west of Signal P-7260.

Before operating push buttons, carefully review instructions posted in each box.

Double switch indicators located at east switch of east crossover, Araz, indicate conditions on eastward main track.

Double switch indicators located at east switch of crossover, Araz Junction. If left indicator indicates block occupied, crossover switch must not be opened until protection is provided in accordance with Rule 99 against an eastward train from Knob.

RULE 605. INTERLOCKING

LOS ANGELES YARD

BURBANK JUNCTION TOWER

To Mojave Subdivision or Los Angeles, ———.
To Hewitt, ——— o o o o.
To siding, o o o o o.
To Industrial lead, o ——— o.

Eastward trains from Ventura subdivision stopped by interlocking signal Burbank Jct. Tower will stop before passing fouling point east switch of siding. If on siding, will stop before fouling switch to Lockheed plant.

Upper unit of three-unit interlocking signal at east interlocking limit on westward main track governs movement on main track to Mojave Subdivision. Center unit governs movement through crossover to Ventura Subdivision. Lower unit governs movement to Valley siding.

Upper unit of two-unit Signal SA4714 at west interlocking limit governs movement to eastward main track. Lower unit governs movement against current of traffic through interlocking limit, and also to General Water Heater spur.

Westward freight trains of over 30 cars must stop before fouling Alameda Ave., Burbank (MP 472.8) unless both arms on Signal 4723 are in proceed position, cutting crossings if blocked by train. Forward brakeman must go to telephone opposite Signal 4724 and communicate with signal operator Burbank Jct. Tower. If signal inoperative and authorized by signal operator to proceed, comply with Rule 509 or 509(F), as the case may be, within automatic block system limits.

GLENDALE TOWER

To or from lead unit "A," o o o o o.

DAYTON AVENUE TOWER

To Glendale or East Bank Line, ———.
To River Station Tower or "C" unit, o o o o o.
To Midway unit No. 1 track, o ——— o; other tracks or freight lead, ——— o ———.
For movement against current of traffic, ——— o o o o.

One long blast of Tower air whistle requires all movements through plant to stop immediately and remain standing until authorized by signal operator to resume movement.

Special signals on masts of interlocking signals which govern movements from "C" unit, are normally dark, but when displaying flashing yellow light will authorize a train or engine, after stopping, to pass the interlocking signal at stop, and move with caution to the next interlocking signal, expecting to find the block occupied.

RIVER STATION TOWER

To Glendale or Naud Junction, ———.

To Mission Junction or Yard lead, o o o o o.

To tracks one to five inclusive or to "B" shed, except track one, ——— o ———.

To tracks six to eleven, inclusive, or to track one "B" shed ——— o o o o.

To Mission Junction against current of traffic, o o o o ———.

One long blast of Tower air whistle requires all movements through plant to stop immediately and remain standing until authorized by signal operator to resume movement.

MISSION TOWER

To LAUPT, o ———.

To Alhambra or Naud Junction, east or west on East Bank Line, ———.

To Roundhouse, ——— o ——— o.
To River Station Tower or AO spur, o o o o o.
To Brewery spur or Lacy Manufacturing Co., o o o ———.
To Coach yard, o o o o ———.
To Wilson Packing Co. lead, ——— o ———.
To or from East Bank Line or Alhambra, o ——— o o.
To Alhambra Avenue Coach yard lead, o o ——— o.
To Naud Junction from East Bank Line, o o ——— o o.
Against current of traffic, ——— o o o o.

Following addition to Rule 663 (b) applies at Mission Tower, "Upon receiving verbal authority of signal operator or signal maintainer."

Signs bearing words "Clearing Section" located as follows:

200 ft. west of Signal Bridge No. 3 on the East Bank Line.

200 ft. west of signal on eastward passenger track from East Bank Line to L. A. U. P. T. via Alhambra Avenue.

200 ft. east of first signal east of U. P. Crossing on westward Alhambra Avenue main tracks.

200 ft. east of first signal leaving Coach Yard.

Trains or engines stopped by these signals will stop with head end between "Clearing Section" sign and signal, except, freight trains or switching drags only on East Bank Line will remain west of Main Street when stopped by signal.

One long blast of Tower air whistle requires all movements through plant to stop immediately and remain standing until authorized by signal operator to resume movement.

CLEMENT JUNCTION TOWER

To Butte St. Interchange Yard, ——— o ———.

WILMINGTON (ANAHEIM BLVD.) TOWER

Governs crossing A. T. & S. F. Ry., M.P. 500.9 San Pedro Branch, also U. P. R.R. crossing M.P. 502.0 and A. T. & S. F. Ry. crossing M.P. 501.8 Long Beach Branch. Warning signs used instead of distant signals. Telephones to call signal operator located at A. T. & S. F. and U. P. crossings. Call signal operator when using electric switch lock on Texas Oil Spur, Long Beach branch.

ANAHEIM TOWER

Signal operator on duty 2.30 p. m. to 6.30 p. m. and 7.30 p. m. to 11.30 p. m. daily except Sunday. Plant cannot be operated by member of crew.

EL MONTE TOWER

To or from siding, o o o o o.

CHINO BRANCH

POMONA JUNCTION TOWER

To Packing House track, ——— o o o o.

COLTON TOWER

To No. 1 track, ——— o o o o.
To No. 2 track, ——— o ———.
To Riverside, o o ———.
To Santa Fe interchange, o o o o o.

REMOTE CONTROL INTERLOCKING

East and west switches Beaumont siding equipped with dual control switch, normally operated by remote control from Beaumont station. If stopped by signals at this point call operator and be governed by his instructions as prescribed by Rule 663(b). Interlocking rules will govern. Hand throw lever on switch machine may be used only after permission received from operator.

Telephone located on signal case adjoining switch.

AUTOMATIC INTERLOCKING

When signal governing use of automatic interlocking indicates "Stop" and no cause to be seen, or, if a standing train is seen on intersecting tracks with no indication that they are to proceed, flagman must be sent ahead immediately to open box, equipped with a switch lock, at crossing and must comply with rules posted therein.

After release has been operated by flagman, signal should change to "proceed," or a red indicator light appear at interlocking signal. If red indicator light appears, train may proceed over crossing. In the event red indicator light does not appear, movement over crossing must be protected in each direction on the intersecting tracks. Instructions in box indicate the time interval required for release to function.

SAN PEDRO BRANCH

NADEAU INTERLOCKING PLANT (AUTOMATIC)

Crossing A. T. & S. F. Railway, 0.9 mile east of Vernondale.

SANTA ANA BRANCH

SOUTHGATE INTERLOCKING PLANT (AUTOMATIC)

Crossing Union Pacific R. R.

RIVERSIDE BRANCH

HIGHGROVE INTERLOCKING PLANT (AUTOMATIC)

Crossing of A. T. & S. F. Railway, 0.7 mile east of Orange Center.

TRAIN INSPECTION

Mixed trains, including military trains, made up in part of freight cars equipped with cast iron wheels, shall be required to comply with rules and timetable instructions applying to freight trains as they relate to stopping for train inspection, likewise speed restrictions.

When practicable, trainman must ride rear platform or in rear car on all trains, in position, where he can observe fire that might be set from moving train, when passing through wooden lined tunnels and over long, open-deck wood trestles.

Freight trains eastward must stop 10 mins. at Cabazon and Garnet, and westward 10 mins. at El Casco or Ordway for inspection.

Exceptions:

If required to stop at any station, Owl to Garnet, inclusive, inspection will be made, and subsequent run for inspection must not exceed 14 miles.

When an eastward train is delayed to exceed 25 minutes at an inspection point, subsequent run for inspection must not exceed 10 miles.

Engines running light on descending grade must stop for inspection at freight train inspection points, a sufficient length of time for engineer to satisfy himself that tires and machinery are in satisfactory condition.

Exception:

If required to stop at Palm Springs, Hugo or Haig, inspection will be made at those points instead of Garnet, El Casco or Ordway.

When any car containing T.N.T., bombs, loaded projectiles, and other such articles of a highly sensitive nature is loaded in excess of 65% of the marked capacity, the maximum distance that a freight train handling may run without stopping for inspection is 50 miles.

Between Yuma and Niland, when conditions are favorable and in the judgment of the conductor and engineer it is safe to do so, freight trains in either direction need not stop for inspection.

AIR BRAKE RULES

RULE 3. Standard brake pipe pressure for freight and mixed trains is 80 pounds.

FREIGHT TRAINS

RULE 24. Beaumont: Rear end test must be made except running test may be made by westward trains of not over 65 cars immediately after leading engine passes east yard limit board and, if brakes operate properly, stop for rear end test not required.

Before a train which has stopped on grade is signalled to proceed, air gage in caboose must be observed. If gage indicates brake pipe unobstructed and registers a pressure of not less than 65 pounds, proceed signal may be given.

RULE 33. 125 M's per operative brake must not be exceeded on descending grade between Colton and Garnet.

One retaining valve for each 120 M's, commencing at forward end of train must be turned up Beaumont to Edom. Retaining valves may be turned down at Rimlon if train stops for other operating reasons and not required beyond in judgment of engineer.

One retaining valve must be turned up for each 140 M's Beaumont to Redlands; exception: on trains handling sugar beets, one retaining valve must be turned up for each 120 M's Beaumont to Redlands and 140 M's Redlands to Colton.

One retaining valve must be turned up for each 200 M's Redlands to Colton.

One retaining valve must be turned up for each 100 M's in westward trains of over 10 cars on Pasadena and Redlands branches.

One retaining valve must be turned up for each 150 M's on eastward trains handling 20 or more cars of rock or sand, Roscoe to Los Angeles Yard, and continuous run may be made between these points. If stop made between Burbank Junction and Los Angeles Yard for other operating reasons, retaining valves may be turned down if not required beyond.

PASSENGER TRAINS

RULE 35. Car inspectors at Los Angeles and Yuma will furnish passenger conductors and engineers a written check of the number, type, percentage of graduated release, and condition of air brake equipment in their train. Conductor will give this information to road and helper engines coupled to his train en route, delivering a written check to relieving conductor.

RULE 38. Santa Barbara and Indio—When engine crew and/or train crew is changed on passenger trains, but engine is not changed and no angle cock has been closed except for detaching cars on the rear, rear-end air brake test will be made as follows:

On a passenger train after the brake pipe has been charged to standard pressure, the Engineer will apply the brakes with a 10-pound reduction, then signal the trainmen by one blast of the whistle. The angle cock on the rear of the train will then be opened gently, allowing only enough air to escape to cause brake pipe gage hand in cab to fall without making an emergency application, and then closed. When the engineer notes the hand falling he will answer with two blasts of the whistle. The trainman will immediately signal by four blasts of the air signal whistle (using the signal cord on rear car) to release the brakes. Engineer will then release the brakes by placing the automatic brake valve handle in release until brake pipe is charged to not less than 5 pounds below standard pressure, slowly return it to running position, then wait until brake pipe pressure has settled and make one short release by moving the handle momentarily to release and back to running position.

This test to be followed by running test in accordance with Rule 39 as soon as speed permits after starting train.

Exception: At Santa Barbara, engineers will use hand, instead of steam whistle, signals. Trainmen will place themselves in a position to relay signals to the best advantage.

RULE 39. Running test must be made before descending grade, Beaumont.

Running test must be made on eastward trains three miles west of Burbank Junction.

Running test need not be made approaching Glendale Tower.

Running test of trains leaving LAUPT must be made immediately after clearing Mission Tower interlocking plant.

If air brakes have been used at Alhambra, running test need not be made approaching Mission Tower.

RULE 46. Descending grade between Bryn Mawr and Garnet retaining valves on not less than 75% of cars in the train must be turned up.

MISCELLANEOUS

1. Westward trains take only sufficient water at Mecca to insure making run to Indio.

4. Helper service:

(a) No helper engine will be placed behind wooden underframe cars or cabooses.

(b) Helper engines weighing more than 235,000 pounds on the drivers will not be placed behind steel underframe cabooses.

(c) In no case will more than one helper engine be placed behind steel underframe cabooses.

(d) When helper engines are used in rear of freight trains, C and lighter class must be placed behind heavier class except trains via San Joaquin Division, Mojave Subdivision C and heavier class must be placed ahead of AC class.

(e) Helper engines on freight trains must be placed in rear through Tunnel 26.

(f) Engines with or without cars must not be cut off or coupled to a train and angle cocks must not be turned and hose separated while train is in motion.

(g) Where it can be avoided, engines backing must not be placed ahead of engines running forward.

For the purpose of pushing trains out of yards:

(h) No engine will be placed behind wooden underframe caboose or other wooden frame equipment.

(i) Engines weighing more than 235,000 pounds on the drivers will not be placed behind steel underframe cabooses except eastward freight trains at Beaumont.

(j) Air will not be coupled through pusher engine.

(k) Yard engines regularly so used will be equipped with Russell-Jordan device to hold the coupler pin from dropping, thus making it unnecessary for employes to uncouple the pusher engine when cutting off.

(l) In no case shall the knuckle be removed, or closed, or cutting lever temporarily fastened in release position on a pusher engine, as means of preventing coupling being made.

(m) Unless local conditions require, it will not be necessary to stop trains to detach pusher engines.

7. Capacity of sidings between clearance points is based on an average car length of 49 feet not including engines and caboose.

Figures between station names on schedule pages indicate distance from initial switch of siding at one station to initial switch of siding at next station.

8. At points where engine is to be changed or cars set out or picked up on passenger trains, trainman will open steam valve on rear of train at station one-mile board and engineman will shut off the train heat one-half mile from station.

10. High water may be anticipated at Bridge 427-B, one-half mile west of Cavin, Santa Paula Branch. Approach this structure with caution, looking out for obstructions on track, and stopping if necessary to make an examination before passing.

Sand must not be used at location rail lubricators, as follows: between Chatsworth and Hasson M.P. 442.7 and M.P. 443.7; Eastbank Line eastward track M.P. 481.0; Mission Tower, eastward track M.P. 482.5; East of Taylor Jct., westward track M.P. 482.8. Ordway M.P. 549.9, between Ordway and El Casco, M.P. 551.1 between El Casco and Haig M.P. 554.0.

Engines, except Mt and GS class, equipped with pilot snow plow are prohibited from entering Los Angeles Union passenger terminal account impaired platform clearance.

Engines must not use American Crystal Sugar Co. track No. 3, Oxnard.

Engines heavier than 200,000 pounds on drivers must not be used on San Gabriel Valley Lumber spur at San Gabriel beyond clearance point, or tracks of South Fontana Farm Co., South Fontana.

Engines heavier than 200,000 pounds on drivers and P-6, 7, 8, 10, 12 and 14 class engines, must not be used on any branch, except:

AC 1, 2, and 3 class engines 4000 to 4049 inc., may be used on San Pedro and Pasadena Branches.

All classes may be used on Burbank Branch from west end at Chatsworth to a point 1000 feet east.

All classes except AC 6, 7, 8, 9, 10 and 11 may be used on Santa Paula Branch.

Engines heavier than C class must not be used on tracks at points listed below:

Santa Barbara yard	In old yard; Caboose; Swamp; team behind freight house. Must not back up through short cross-overs at west end freight yard.
Summerland	All, except main track and west end of oil track for a distance of 450 feet from clearance point.
Carpinteria	Spur; outfit; MOD spur east of road crossing.
Seacliff	House, 200 feet beyond clearance point.
Ventura Jct.	Associated Oil spur.
Ventura	Wholesale Grocery; Union Oil; Corral.
El Rio	Spur.
Oxnard	High lines and track 19 A. C. S. Yard, beyond point 2100 feet from the switch point.
Leesdale	Team beyond clearance point.
Somis	S. P. Mill beyond west end warehouse.
Lagol	Spur.
Moorpark	Corral; Standard; Union Oil spurs and S. P. Mill beyond west end warehouse.
Strathearn	Corral beyond a point 380 feet from switch point.
Simi	Warehouse.
Santa Susana	Tapo spur Mill; Corral.
Chatsworth	Storage; all tracks in old Chatsworth Park yard from a point 100 feet west of switch.
San Pedro	High line.
Rudell	Spur.
Pomona	Back team track west of Main St. Winery spur.
Ontario	Assets Corporation.
Declezville	Quarry tracks.
Beaumont	West end oil unloading track, Blinn Lumber spur.
Rockwood	All except main track.
Brawley, El Centro, Calexico	Icing tracks or leads.
El Centro	Old wye and Storage No. 1.
Calexico	Wye.
Between Niland and Calexico	Industry tracks.
Between Indio and Yuma	Spurs; except Standard Oil, Narborn, Coachella Valley Grape Growers, ice house at Coachella; Glamis, Acolita and Ogilby, Mortmar, Durmid, Pope, Wister and house track Iris.
Mecca	Water track beyond 100 feet east of crossing.
Iris	House track.
Knob	House track.

AC class engines may use Ojai Branch between Ventura Jct. and Main St. M. P. 398.00 including Hobson and water spurs.

AC-10 class engines must not enter curve on fruit packer's spur at west end of house track at Beaumont. If necessary to pick up off this spur, reach will be used.

20. Head end passenger cars so constructed or loaded as to prevent trainmen passing through must not be handled on rear of any passenger train.

Handling of freight cars in trains behind passenger cars is prohibited except passenger equipment may be placed in head end of mixed trains when carrying personnel and equipment in connection with military and naval movements. This does not refer to a baggage, express, or mail car, or a caboose.

Not more than 30 express refrigerator cars may be handled in one freight train and such equipment must be in rear of train.

23. Trains and engines moving on Alameda Street, Los Angeles, must respect city traffic signals, when in operation.

29. Movements over Union Pacific tracks between Santa Fe overhead bridge 2606 feet east of Dayton Ave. tower (east bank line) and connection switch Butte St. yard at Santa Fe Ave. 3550 feet west of Butte St. Jct. are governed by Union Pacific rules, time tables, special instructions, and bulletins.

Trainmen and enginemen operating over East Bank line of the Union Pacific Railroad must provide themselves with copy of Union Pacific Special Rules No. 3, effective August 1st, 1940, and pamphlet indicating points of difference between Union Pacific and Southern Pacific operating rules, which may be secured at crew dispatchers' office Taylor yard and roundhouse; roundhouse foreman's office Alhambra Ave., and train order office LAUPT.

SPEED RESTRICTIONS

Engines must not exceed 15 MPH on curves and approaching grade crossings when backing.

Speed prescribed by train order, or bulletin, for passenger trains must not be exceeded by trains 98 and 99.

Trains consisting of streamlined cars, when handled by other than GS class engines, must not exceed speed prescribed for type of power used.

Following engines have been cross counter-balanced and must not exceed 75 MPH:

All GS, Mt.

All P-7, 8, 10, 12 class, except 2470 and 2477.

Following engines have been cross counter-balanced and must not exceed 55 MPH:

F-1, 3, 4, 5 class—3612, 3615, 3619, 3625, 3634, 3636, 3652, 3656, 3658, 3665, 3666, 3668, 3676, 3677, 3681, 3682, 3683, 3685, 3687, 3692, 3701, 3706, 3709, 3711, 3716, 3717, 3727, 3728, 3732, 3737, 3742, 3752, 3765.

All AC-4, 5, 7, 8, 10 and 11 class.

Trains with passenger equipment handling steel wheel box cars commonly known as "PMT" cars or foreign line steel wheel box cars equipped for movement in passenger trains or trains consisting wholly of steel wheel box cars, except those equipped with high speed trucks, must not exceed 60 MPH.

Maximum speed for light engines running forward on branches when not otherwise shown will be same as maximum for freight trains.

Trains consisting of engine and caboose only must not exceed freight train speed.

Maximum speed for switch engines S or SE class, 20 MPH, but must not exceed speed permitted freight and mixed trains and light engines.

Maximum speed for gas-electric cars light backing, 60 MPH, but must not exceed speed permitted when handling passenger trains.

Speed restrictions for engines are shown in speed table; however, attention is called to the following maximum speeds at which tenders may be operated subject to restrictions imposed locally:

Tenders having water capacity 7,000 gallons or less, except classes 70-R-1 and 70-SC-1, maximum speed 50 MPH.

Tenders having water capacity in excess of 7,000 gallons, and including classes 70-R-1 and 70-SC-1, maximum speed same as engine speed.

Do not exceed 15 MPH through main track turnouts and on sidings unless otherwise provided for, and do not exceed 10 miles per hour through turnouts and slip switches in other than main tracks.

C class engines must not exceed 10 MPH on curves and 25 MPH on straight track running forward or 10 MPH on curves and 20 MPH on tangent track running backward on Limoneria spur, Santa Paula Branch.

C class engines must not exceed 15 MPH on Tapo spur Santa Susana.

Do not exceed 6 MPH entering Alameda St. from Finkelstein Foundry Co. spur M. P. 490.3, San Pedro Branch, crossing must be cleared as quickly as practicable.

Do not exceed 10 MPH while shoving freight or passenger equipment to VC yard Oxnard.

AC class engines must not exceed 45 MPH over the following structures:

MP 372.75 over highway east of Santa Barbara
MP 374.24 west of Miramar
MP 381.55 Carpinteria
MP 396.87 Ventura River bridge, Ventura
MP 539.83 Santa Ana River bridge, Colton.

Within the limits of Burbank Jct. Tower interlocking, speed of westward trains via Mojave Subdivision restricted as follows:

Passenger	35 MPH
Freight	25 MPH
Light engines	20 MPH

Speed of freight and mixed trains, Araz Junction, through all switches and through crossover at Araz restricted to 20 MPH.

SPEED OF TRAINS REGULATED BY ORDINANCE THROUGH CITY LIMITS

PAGE	BETWEEN	PSGR. mph	FRT. mph	Lgt. Eng. mph
2, 3	Santa Barbara, over street crossings	20	20	20
2, 3	Ventura station and M.P. 397.09	25	20	20
7	Santa Paula	15	15	15
2, 3, 4, 7	Los Angeles, along longitudinal streets No. Spring, No. Main, Alameda and College Sts. to 25th St.	10	10	10
4	Los Angeles, when entering any highway crossing:			
	(1) Main St., Alhambra Ave., Soto St. to Main St.	15	15	15
	(2) East city boundary to Soto St.	25	25	25
4	El Monte, all streets	30	25	25
4	Pomona, 2640 feet each side station	40	40	35
4	M.P. 536.2 (Rialto), Riverside Ave.	30	30	30
4, 5	Colton, all streets	30	30	30
7	Vernon, 783 feet east of Clement Jct. and Slauson Ave. (9340 feet)	12	12	12
7	Compton, across Main St.	8	8	8
7	Compton, across Myrrh, Orange and Olive Sts.	20	20	20
8	Santa Ana, 3208 feet west and 2132 feet east of station	12	12	12
8	San Bernardino, all streets	20	20	20
8	South Pasadena, all streets	15	15	15
8	Pasadena, all streets	20	20	20
8	LaVerne, 7958 feet west and 3336 feet east of station	40	25	25
8	Covina branch, Pomona junction switch and 1161 feet west	15	15	15
9	Redlands 2nd Street, all street crossings	10	10	10
9	El Centro, Main Street crossing	20	20	20
9	Calipatria, Main Street crossing	12	12	12

Maximum speed (in MPH) of disabled engines (except class S or SE) running under own steam or hauled in train, must not exceed:

When all weight has been removed from any one pair of drivers	20 MPH
When all weight has been removed from only one wheel from any pair of drivers	30 MPH
When engine truck is removed	20 MPH
When main rod only is removed	30 MPH
When side rod only is removed	30 MPH
When both main and side rods are removed	20 MPH
When hauled in train with all rods on	30 MPH
Class S and SE engines under all conditions	20 MPH

Engines operated coupled tender to tender must not exceed speed permitted same engines running backwards.

Engines operating backward handling train must not exceed speed permitted same engines backing light.

Wooden passenger-carrying cars, wooden baggage, express and other head end cars, unless equipped with steel center sills and steel platforms must not be handled in passenger trains. Speed of trains handling such cars restricted as follows: When consist includes not more than three wooden passenger-carrying cars, maximum speed must not exceed 50 MPH. When consist includes more than three wooden passenger-carrying cars maximum speed must not exceed 40 MPH.

If consist of train includes both wooden and steel passenger-carrying cars, the wooden cars must be kept together and handled on rear.

Trains carrying cabooses equipped with cast iron wheels must not exceed 40 MPH.

PAGE	TYPE OF ENGINE—TERRITORY—STRUCTURE—LADING, ETC.	MPH
	Trains handling wooden pile-drivers; locomotive cranes with boom disconnected and heavy end forward; steam shovels and ditchers, transported on their own wheels:	
2-3-4	On tangent main tracks	25
	except SPMW 4044	25
5-6	On tangent branch tracks	25
All	On all curves.....5 MPH less than speed authorized. Where slow boards in place 5 MPH less than shown on slow boards, except when speed indicated is 15 MPH or less be governed by slow boards.	
	Trains handling locomotive cranes with boom disconnected and light end forward (must not be handled in this manner except in emergency):	
2-3-4	On tangent main tracks	20
All	On curves and on branch tracks	15
	Trains handling locomotive cranes with boom in place, either end forward (to be handled in work trains when practicable):	
2-3-4	On tangent main tracks	25
All	On curves and on branch tracks	15
All	Trains handling steel pile-drivers may make maximum freight train speed.	
	Trains handling relief outfit with steam derrick:	
2-3-4	On tangent main tracks	25
5-6	On tangent branch tracks	25
All	On all curves....5 MPH less than speed authorized. Where slow boards in place 5 MPH less than shown on slow boards, except where speed indicated is 15 MPH or less be governed by slow boards.	
	Through interlockings with caution.	

SPEED TABLE

SPEED PER HOUR	1 MILE IN MINUTES SECONDS	SPEED PER HOUR	1 MILE IN MINUTES SECONDS	SPEED PER HOUR	1 MILE IN MINUTES SECONDS	SPEED PER HOUR	1 MILE IN MINUTES SECONDS	SPEED PER HOUR	1 MILE IN MIN. SEC.
6	10.00	24	2.30	37	1.37	50	1.12	63	0.57
8	7.30	25	2.24	38	1.34	51	1.10	64	0.56
10	6.00	26	2.18	39	1.33	52	1.09	65	0.55
12	5.00	27	2.13	40	1.30	53	1.08	67	0.54
15	4.00	28	2.08	41	1.27	54	1.06	68	0.53
16	3.45	29	2.04	42	1.25	55	1.05	69	0.52
17	3.31	30	2.00	43	1.23	56	1.04	70	0.51
18	3.20	31	1.56	44	1.21	57	1.03	72	0.50
19	3.09	32	1.52	45	1.20	58	1.02	74	0.49
20	3.00	33	1.49	46	1.18	59	1.01	75	0.48
21	2.51	34	1.45	47	1.16	60	1.00		
22	2.43	35	1.42	48	1.15	61	0.59		
23	2.36	36	1.40	49	1.13	62	0.58		

SPEED RESTRICTIONS: Maximum speed of Passenger trains must not exceed **50 MPH** and Freight and Mixed trains **35 MPH** except as otherwise provided for herein, or by bulletin, train order or "fixed signal."

Maximum speed of any train with an engine not shown in Speed Restriction table, **35 MPH**, and is further restricted to Maximum speed shown for Freight and Mixed trains if less than **35 MPH**.

Page No.	TERRITORY	PASSENGER							FREIGHT AND MIXED	LIGHT ENGINES RUNNING FORWARD				LIGHT ENGINES BACKING (except gas-elec. cars)
		GS; Mt; P- (cross counter-balanced) with stream-lined cars only	P-7-8 (cross counter-balanced) P-10-12 Mt-1-2-3-4-5 GS-1-2-3-4-5	E T-26-32-37-40 P-1-3-4-5-6-7-8-11 A Gas-elec. cars	F-1-3-4-5 (cross counter-balanced) AC-4-5-7-8-9-10-11	M (except M-21) T-1-8-9-23-28-31-36-57-58 Mk-5-6-7-8-9	C-2 to 10, inc.-18-19-26-27-28-29 AC-6 AM-2	M-21 C-15-17 TW Mk-2-4-10 F-1-3-4-5 AC-1-2-3 SP-1-2-3		E P A Mt-1-2-3-4-5 GS-1-2-3-4-5	T-26-32-37-40 F-1-3-4-5 (cross counter-balanced)	M T-1-8-9-23-28-31-36-57-58 C-2 to 10 inc.-18-19-26-27-28-29 Mk-5-6-7-8-9 F-1-3-4-5 SP-1-2-3	DES C-15-17 TW AC Mk-2-4-10 AM-2	
2, 3	Santa Barbara and Mission Tower, via Oxnard and Raymer as follows:													
2, 3	M.P. 370.70-383.66	50	50	50	50	50	45	40	35	35	35	35	30	30
2, 3	M.P. 383.66-387.70 Eastward	45	45	45	45	45	45	40	35	35	35	35	30	30
	M.P. 383.66-387.70 Westward	45	45	45	45	45	45	40	35	30	30	30	30	30
2, 3	M.P. 387.70-400.00	65	60	60	50	50	45	40	40	35	35	35	30	30
2, 3	M.P. 400.00-418.00	75	65	65	50	50	45	40	40	35	35	35	30	30
2, 3	M.P. 418.00-437.80	65	60	60	50	50	45	40	40	30	30	30	30	30
2, 3	M.P. 437.80-440.90	60	60	60	50	50	45	40	35	35	35	35	30	30
2, 3	M.P. 440.90-444.39	40	40	40	40	40	40	40	30	30	30	30	30	30
2, 3	M.P. 444.39-460.85	75	65	65	50	50	45	40	40	35	35	35	30	30
2, 3	M.P. 460.85-462.38	70	55	55	50	50	45	40	35	35	35	35	30	30
2, 3	M.P. 462.38-462.70 Eastward	40	40	40	40	40	40	40	30	30	30	30	30	30
	M.P. 462.38-462.70 Westward	35	35	35	35	35	35	35	30	30	30	30	30	30
2, 3	Burbank Jct., Crossover east of tower	30	30	30	30	30	30	30	25	25	25	25	25	25
2, 3	M.P. 462.70-475.88	50	50	50	45	45	45	40	35	35	35	35	30	30
2, 3	M.P. 475.88-476.35	50	50	50	45	45	45	40	30	30	30	30	30	30
2, 3	M.P. 476.35-477.34	50	50	50	50	50	45	40	35	35	35	35	30	30
2, 3	M.P. 477.34-480.37 (Glendale tower)—(Eastward home signal Dayton Ave. tower)	40	40	40	40	40	40	40	25	25	25	25	25	25
7	M.P. 480.37—River Station Tower	25	25	25	25	25	25	25	20	20	20	20	20	20
2, 3	Through Switches M.P. 478.98 and M.P. 480.60	25	25	25	25	25	25	25	20	20	20	20	20	20
2, 3	On Third Track Glendale Tower and West Lead "A" Yard	15	15	15	15	15	15	15	15	15	15	15	15	15
7	River Station Tower to Mission Tower via Rondout St.	10	10	10	10	10	10	10	10	10	10	10	10	10
2, 3	East Bank Line, Dayton Ave. Tower and East Bank Jct.	20	20	20	20	20	20	20	20	20	20	20	20	20
2, 3	East Bank Line, on curve between East Bank Jct. and Mission Tower	10	10	10	10	10	10	10	10	10	10	10	10	10
4, 5	Mission Tower—Eastbank Jct. and Indio except as otherwise provided		50	50	50	50	45	40	35	35	35	35	30	30
4	Eastbank Jct. and Taylor Jct.		15	15	15	15	15	15	15	15	15	15	15	15
4	Alhambra, end double track through turnout, eastward		25	25	25	25	25	25	25	25	25	25	25	20
4	M.P. 491.20-536.65		65	65	50	50	45	40	40	35	35	35	30	30
4	M.P. 536.65-540.00		30	30	30	30	30	30	30	30	30	30	30	30
5	M.P. 540.00-546.64 Eastward		50	50	50	50	45	40	35	35	35	35	30	30
	M.P. 540.00-546.64 Westward		50	50	50	50	45	40	25	35	35	35	30	25
5	M.P. 546.64-563.06 Eastward		40	40	40	40	40	40	35	35	35	35	30	30
	M.P. 546.64-563.06 Westward		40	40	40	40	40	40	25	35	35	35	30	25
5	M.P. 563.06-567.82 Eastward		50	50	50	50	45	40	20	35	35	35	30	20
	M.P. 563.06-567.82 Westward		50	50	50	50	45	40	35	35	35	35	30	30
5	M.P. 567.82-589.00 Eastward		40	40	40	40	40	40	20	35	35	35	30	20
	M.P. 567.82-589.00 Westward		40	40	40	40	40	40	35	35	35	35	30	30
5	M.P. 589.00-598.55 Eastward		60	60	50	50	45	40	25	45	40	35	30	25
	M.P. 589.00-598.55 Westward		60	60	50	50	45	40	40	35	35	35	30	30
5	M.P. 598.55-609.70 Eastward		60	60	50	50	45	40	35	35	35	35	30	30
	M.P. 598.55-609.70 Westward		60	60	50	50	45	40	40	35	35	35	30	30
5, 6	Between outside switches Indio		30	30	30	30	30	30	20	20	20	20	20	20
6	East switch Indio-M.P. 667.5		55	55	50	50	45	40	40	45	40	35	30	30
6	M.P. 667.5-693.50		60	60	50	50	45	40	40	45	40	35	30	30
6	M.P. 693.50-723.00		60	60	50	50	45	40	40	35	35	35	30	30
6	Araz Jct. through all switches and through crossovers at Araz		25	25	25	25	25	20	25	20	20	20	20	20
6	M.P. 727 and M.P. 731.75		60	60	50	50	45	40	35	45	40	35	30	30
6	M.P. 731.75 and Yuma		15	15	15	15	15	15	15	15	15	15	15	15
9	Over Alamo Bridge 679.85 between Calipatria and Rockwood		30	30	30	30	30	30	30	30	30	30	30	30
6	Araz Jct.-Westward trains via Knob moving against current of traffic on eastward main track must not exceed 25 MPH over Inter-Cal. Jct. switch.													

SPECIAL INSTRUCTIONS

SPEED RESTRICTIONS: Maximum speed of Passenger trains must not exceed **50 MPH** and Freight and Mixed trains **35 MPH** except as otherwise provided for herein, or by bulletin, train order or "fixed signal."

Maximum speed of any train with an engine not shown in Speed Restriction table, **35 MPH**, and is further restricted to Maximum speed shown for Freight and Mixed trains if less than **35 MPH**.

		PASSENGER					FREIGHT			LIGHT ENGINES RUNNING FORWARD			
Page No.	TERRITORY	Maximum	With E, T 26, 32, 37, 40 P.A. Mt. GS Engines and Motors	With M, T 1, 2, 8, 9, 23, 28, 31, 36, 57, 58 Mk.-5, 6, 7, 8, 9. Engines	With C-2 to 10 incl. C 18-29 incl. F 1, 3, 4, 5, 6, AC 4, 5, 6 AM 2 SP 1, 2, 3 Engines	With C 15, 17 TW Mk. 2, 4, 10 AC 1, 2, 3 Engines	Freight and Mixed Maximum	Engines Backing	Switch Engines S-SE Type	E, P, A, Mt. GS	T 26, 32, 37, 40	M, T 1, 2, 8, 9 23, 26, 31, 36, 57, 58 C 2-10 incl. C 18-29 incl. Mk. 5, 6, 7, 8, 9 F 1, 2, 3, 4, 5, 6 SP 1, 2, 3	C 15, 17 TW, Mk. 2, 4, 10 AC 1, 2, 3 4, 5, 6 7, 8 AM 2
9	Westmorland Branch and Sandia Branch	25					25	25	20				
7	Ojai Branch	25					20	20	20				
7	Ojai Branch engines, backing on curves	15					15	15	15				
7	Ojai Branch M.P. 407 and 408	10					10	10	10				
7	Burbank Branch	25					25	25	20				
7	Encino—over Balboa Blvd. Crossing	10					10	10	10				
7	Santa Paula Branch	30					25	25	20				
7	M.P. 414.06 and 414.20, Santa Paula Branch	30					18	18	18				
7	M P. 431.62 and 438.10, Santa Paula Branch	25					18	15	15				
7	M.P. 439.05 and 439.41. Santa Paula Branch	25					18	15	15				
7	M.P. 440.93 and 441.96, Santa Paula Branch	25					18	15	15				
7	M.P. 444.20 and 444.84, Santa Paula Branch	30					18	18	18				
7	Through turnouts each side of first crossing bridge Los Angeles River and while crossing bridge	15					15	15	15				
7	Clement Jct. and Firestone Park	30					30	30	20				
7	Home signals Nadeau interlocking plant	10					10	10	10				
7	Firestone Park and San Pedro	30					30	30	20				
7	Wilmington (Anaheim Blvd.) and Fifth St., San Pedro	15					15	15	15				
8	Long Beach Branch	40					25	25	20				
8	Long Beach Branch, P. E. Crossing and Anaheim Blvd	10					10	10	10				
7	Opposite Station Building and crossover switches. End of D.T. Firestone Park	15					15	15	15				
8	Home signals South Gate (Atlantic Blvd.) interlocking plant	20					20	20	20				
8	Firestone Park and Santa Ana	30					30	30	20				
8	West Anaheim and 1 mile east of Anaheim	15					15	15	15				
8	Santa Ana and Dyer	30					25	25	20				
8	Los Alamitos Branch	20					20	20	20				
8	Smeltzer Branch	30					25	25	20				
8	Tustin Jct. and Tustin, except following:	30					30	20	20				
	Bridge 513-D	20					20	20	20				
	M.P. 516.3 to 516.41; M.P. 517.73 to 518.25	20					20	20	20				
	M.P. 518.70 to 518.92; M.P. 519.23 to 519.86	20					20	20	20				
	M.P. 521.60 to 521.73	20					20	20	20				
8	Pasadena Branch	15					15	15	15				
8	Covina Branch	30					25	25	20				
8	Chino Branch	20					20	20	20				
8	San Bernardino and Riverside Branches	35					20	20	20				
8	Home signals Highgrove interlocking plant	20					20	20	20				
9	Redlands Branch	25					20	20	20				
9	Niland Station and wye switch on Calexico line	20	20	20	20	20	20	20	20	20	20	20	20

All trains do not exceed 10 MPH entering Avalon Boulevard, Wilmington M.P. 503.3. Speed may be resumed after engine has passed over the crossing.

LOCATION OF OVERHEAD AND SIDE STRUCTURES NOT STANDARD CLEARANCE

Employes are warned that it is dangerous to ride on top or sides of cars while passing these points and that they must protect themselves from injury.

Bulletins may be issued from time to time referring to impaired clearances not listed below.

Mile Post	BETWEEN	HEIGHT	DESCRIPTION
441.2	Hasson and Chatsworth	20 ft. 2 in.	Tunnel No. 26.
442.9	Hasson and Chatsworth	20 ft. 6 in.	Tunnel No. 27.
443.9	Hasson and Chatsworth	20 ft. 6¾ in.	Tunnel No. 28.
423.0	Sespe and Fillmore	21 ft. 4 in.	Sespe Creek.
432.2	Piru and Camulos	21 ft. 4 in.	Piru Creek.
481.7	Taylor—River Sta. Tower	21 ft. 6 in.	Footbridge.
547.3	Motor Jct.-Redlands 2d St.	19 ft. 6 in.	Mill Creek.

Los Angeles Yard: Impaired:

P. E. inbound local track, Brooklyn Ave. bridge, Macy Street .. Overhead
American Hair and Felt Co. .... Side
F. Arbogast Bldg., Commercial and Market .... Side
L. A. Warehouse, gate, Commercial and Market .... Side
J. F. Holbrook, gate, 310 Market St. .... Side
Roberts, Otter & Nelson Bldg., 316 Market St., platform .... Side
Western Machinery Co. Bldg. and Cable, Dayton and Alhambra Ave. .... Overhead
Peck & Hill spur, shed roof, N. Spring and Alpine .... Side
Hub switch stands for derails, Santa Fe Transfer tracks Bull Ring .... Side
L. A. Warehouse, Commercial and Alameda .... Side and Overhead

Santa Barbara:

Palmer Gavit private car shed .... Overhead

Santa Paula—Santa Paula Rock Co. .... Side and Overhead

West Glendale—Inner Tube Factory .... Side

Van Nuys—Fence at Hammond Lumber Company spur .... Side

Oxnard—American Beet Sugar Co.:
Track 15 beet dump .... Side
Track 7, power house and scale house .... Side

Pasadena:
Freight house platform .... Side

Crushton—Switch stand on derail No. 3 between P. E. and S. P. tracks .. Side

Azusa Ave.—Golden Orange Growers Packing House platform .... Side

Pomona:
Stine Transfer Company .... Side
Pomona Box Co. .... Side

South Fontana—Hog Farm No. 1 and No. 2 .... Side

Colton:
All loading tracks Cement Plant .... Side
P. F. E. Track No. 6 and 7 .... Overhead and Side
Roundhouse .... Side
Colton sand spur .... Overhead

San Bernardino:
I. S. Chapman & Co. .... Side
P. E. Poles, San Bernardino .... Side

Riverside:
Wilson & Company .... Side
Riverside Foundry .... Side
Union Oil Company .... Side
M. J. Johnson & Co., wholesale grocers .... Side

Redlands, 2nd St.:
Lyons & Sons Packing House .... Side

Brawley:
Shed 28 .... Side
Hammond Lumber Company spur .... Side

Compton—Shed in Union Rock Co. plant (Do not switch cars beyond this point)

Wilmington (Anaheim Blvd.)—Advance Truck Co. spur (Do not use beyond gate)

San Pedro:
S. P. Slip platform .... Side
Consolidated Lumber Co., platforms tracks 6 and 7 .... Side

Buena Park—American Fruit Growers house, also low switch stands .... Side

Anaheim:
At intersections of Los Angeles and Claudena Sts., four fifty-foot poles . Side

Santa Ana:
California Packing House .... Side

Portable runway between warehouses on Holly Sugar Co., sugar house track, Dyer, must be removed before track is used.

When in use, apron on beet dump and beet loading conveyor at stations named below will not clear a car of greater height than a beet rack:

Saugus
Leesdale
Northridge
Elftman
Wintersburg
El Monte
Chino
Brawley
El Centro
Curlew
Rico

Open deck trestle at M.P. 462.44, 90 feet west of east switch of joint track North Hollywood; 90 feet east of east switch at east end of joint track at M.P. 459.9; M.P. 540.11 Santa Ana River Bridge Riverside Branch; Lytle Creek Bridge San Bernardino Branch 541.30.

Pacific Electric trolley poles on San Bernardino Branch between M.P. 539.30 and M.P. 542.04, on Riverside Branch between M.P. 539.43 and M.P. 541.36, and on Covina Branch between Lone Hill and Ganesha Junction, will not clear man on side of car.

Tracks adjacent to icing platform following points have side clearance of less than 7 feet 8 inches and are restricted to service of Pacific Fruit Express which is defined as icing, heating, ventilating, unloading salt, heating appliances, fuel, storage of refrigerator cars and trains of mixed consist requiring Pacific Fruit Express platform service; Taylor, one track; Colton, tracks 6 and 7.

Following water tanks are not standard clearance: Santa Paula, Piru, Pomona, Guasti, El Casco, Beaumont, Palm Springs.

Following water columns are not standard clearance: Oxnard, Moorpark, Palm Springs.

RATING OF ENGINES—LOS ANGELES DIVISION—IN MS. OF 1000 LBS. BACK OF TENDER

NOMINAL CLASS	OFFICIAL CLASS	ENGINE NUMBERS	Boiler Pressure	Los Angeles to Alhambra Puente to Ontario	Alhambra to Puente, Ontario to Colton	Colton to Bloomington, Savanna to Stoneman	Bloomington to Savanna, Stoneman to Los Angeles	Colton to Indio	Indio to Colton	Niland to Amos	Yuma to Knob	Indio to Niland, Amos to Yuma, Knob to Indio	Niland and Araz Jct. via I-C Ry.	Los Angeles to Saugus	Saugus to Los Angeles	Los Angeles and Santa Barbara via Oxnard	SAN PEDRO BRANCH	
																	San Pedro to 47th St.	47th St. to L. A. Yard via Butte St. and east bank
M-4	M—63 20/28 126, 135-S	1617 to 1713	190	1600	3450	1850	3350	940	900	2250	2100	3300	2900	730	820	1700	3400	2500
M-6, 8	M—63 21/28 150-S,159-S	1720 to 1803, 1823 to 1825	200	2000	4250	2300	4150	1200	1150	2800	2600	4050	3600	930	1000	2150	4000	2900
M-9, 11	M—63 21/28 150-S,153-S	1804 to 1822, 1826 to 1831	210	2100	4500	2450	4300	1250	1200	2900	2750	4300	3800	990	1100	2250	4200	3000
T-26	T—69 21/28 152-S	2283 to 2299		1750	4000	2050	3650	1000	950	2500	2300	3600	3250	800	900	1900	3700	2600
T-23	T—63 21/28 156-S, 163-SF	2301 to 2310		2100	4500	2450	4300	1250	1200	2900	2750	4300	3800	990	1100	2250	4200	3000
T-28,31	T—63 22/28 162-S	2311 to 2362	210	2300	4850	2700	4700	1350	1250	3250	3000	4700	4150	1050	1200	2450	4650	3300
P-1,3,5	P—77 22/28 141-S	2400 to 2452	210	1800	4200	2100	4050	1000	1000	2550	2350	3750	3350	800	890	1950	3800	2700
P-4	P—77 23/28 155-B, 58-SF	2401, 2402, 2409, 2410, 2414, 2419, 2420, 2422, 2424, 2436	210	2050	4600	2400	4350	1150	1100	3050	2850	4300	3800	900	1000	2250	4150	2950
P-6	P—77 25/28 172-S	2453 to 2458	200	2250	5200	2600	5100	1300	1250	3200	2950	4650	4150	1000	1150	2500	4650	3350
P-7	P—73 25/28 171-S	2476, 2477	200	2400	5450	2800	5400	1400	1300	3400	3150	4950	4400	1100	1250	2650	4900	3500
P-10	P—73 25/30 181-SF	2478 to 2483	200	2500	5600	3000	5450	1450	1400	3600	3300	5200	4650	1100	1250	2750	5250	3750
P-10	P—73 25/30 183-B, 63-SF	2484 to 2491	200	2600	5600	3100	5750	1450	1400	3900	3600	5400	4850	1100	1250	2850	5250	3750
P-11	P—68 24/26 157-S	3100 to 3109	180	2000	4250	2300	4150	1200	1150	2800	2600	4050	3600	850	950	2150	4000	2900
P-12	P—73 27/28 189-SF	3120 to 3129	190	2600	6050	3050	5450	1550	1500	3700	3450	5450	4850	1200	1350	2950	5450	3900
P-12	P—73 26/28 189-SF		205															
C-9, 10	C—57 22/30 200-SF	2513 to 2599, 2750,	210	2550	5300	2950	5200	1550	1500	3600	3300	5200	4600	1200	1300	2700	5500	3900
C-9, 10	C—57 22/30 194-S	2752 to 2860																
C-8	C—57 22/30 192-S	2698 to 2749, 2751																
C-5	C—57 22/30 185-S,187-S	2624 to 2693																
Mk-2, 4	Mk— 23½/30 206-S, 230-SF	3200 to 3240		3000	6150	3500	5950	1700	1650	4100	3700	5950	5250	1300	1400	3200	6350	4450
Mk-5, 6	Mk— 6326/28 210-S, 233-SF	3241 to 3277		3200	6750	3700	6500	1850	1800	4500	4100	6500	5750	1450	1600	3500	6950	4900
Mk-7, 8, 9	Mk—63 29/30 247-S,257-SF	3300 to 3324	176	3550	7450	4100	7200	2100	2050	4950	4550	7200	6350	1650	1850	3750	....	....
Mk-7, 8, 9	Mk—63 27/30 247-S,257-SF		205															
F-1	F—63 27½/32 273-S,282-SF	3611 to 3652	200	3750	7750	4350	7600	2300	2250	5250	4850	7600	6700	1750	1950	3950	....	....
F-3	F—63 29½/32 297-S 300-SF	3653 to 3667	200	4250	8400	4950	7800	2700	2600	6000	5500	10000	7600	2000	2200	4500	....	....
F-4, 5	F—63 29½/32 306-B, 61-SF	3668 to 3763, 3769	200	4500	8850	5350	8000	2700	2600	6600	6050	11000	8000	2100	2300	4800	....	....
F-5	F—63 29½/32 306-B, 62-SF	3764 to 3768																
AC-1,2,3	AC—57 22-22/30 441-SF	4000 to 4048	210	4800	9950	5550	9750	3150	3050	6700	6200	11900	8600	2500	2700	5500	10950	8000
AC-4	AC—63 24-24/32 475-SF	4100 to 4125	235	7750	13900	8750	13150	4000	3850	9450	8700	16500	12000	3200	3500	6900	....	....
AC-5	AC—63 23-24/32 483-SF																	
AC-6, 7	AC—63 24-24/32 517-SF,515-SF	4126 to 4274	250	8250	14800	9300	14500	4250	4100	10000	9250	18000	14000	3400	3700	7300	....	....
AC-8,10,11	AC—63 24-24/32 532-SF																	
Mt-1,3,4,5	Mt—73 28/30 246-B, 60-SF	4300 to 4376	210	3500	7450	4100	7250	2050	2000	5250	4850	8800	6500	1550	1750	3850	....	....
Mt-2	Mt—73 29/30 262-SF	4385 to 4390	210	3600	7700	4200	7350	2100	2050	5250	4950	9000	6650	1600	1800	3900	....	....
GS-1	GS—73 27/30 262-B,104-SF	4400 to 4409	250	3700	8000	4450	7400	2250	2200	5500	5100	9200	6900	1600	1800	3950	....	....
GS-2	GS—73 27/30 266-B,104-SF	4410 to 4415																
GS-3	GS—80 26/32 267-B,109-SF	4416 to 4429	280	3800	8250	4450	7600	2250	2200	5650	5250	9500	7100	1650	1850	4100	....	....
GS-4	GS—80 25½/32 276-B,118-SF	4430 to 4449	300															
GS-5	GS—80 25½/32 279-B, 122-SF																	
SP-1	SP—63 25/28-32 316-B, 60-SF	5000 to 5015	225	5200	10500	6200	9000	3000	2900	7400	6950	11900	9000	2300	2500	5500	....	....
SP-2, 3	SP—63 25/28-32 317-B, 61-SF	5016 to 5048																
	Allowance for Empty and Underloaded Cars	Less than 45 Ms		3	3	3	3	3	3	6	6	6	6	3	3	6		
		45 Ms to 55 Ms		3	3	3	3	3	3	3	3	3	3	3	3	3		
		More than 55 Ms		0	0	0	0	0	0	0	0	0	0	0	0	0		

These ratings include the total weight of train, exclusive of engine and tender, which the different class of engines will haul in each direction between the stations shown.

MILEAGE

Main Lines

Newhall to Yuma	S. P. R. R.		278.53	
Santa Barbara to Burbank	S. P. R. R.		93.45	
Niland to Calexico	S. P. Co.		41.70	
Cantu to Araz Jct.	S. P. Co.		2.71	
Total Main Lines				416.39

Branches

Burbank	S. P. R. R.	Burbank to Chatsworth Junction		20.74	
Chino	S. P. R. R.	Pomona to Chino		5.06	
Covina	S. P. R. R.	Bassett to Pomona		17.40	
Declezville	S. P. R. R.	South Fontana to Declezville		1.65	
Long Beach	S. P. R. R.	Wilmington (Anaheim Blvd.) to Long Beach		2.31	
Los Alamitos	S. P. R. R.	West Anaheim to Los Alamitos		9.74	
Smeltzer	S. P. R. R.	Stanton Jct. to Wiebling		6.68	
Ojai	S. P. R. R.	Ventura Jct. to Ojai		15.13	
Pasadena	S. P. R. R.	Alhambra to Pasadena		4.69	
Redlands	S. P. R. R.	Bryn Mawr to Crafton		7.14	
San Bernardino & Riverside	S. P. R. R.	San Bernardino to Riverside		11.68	
Sandia	S. P. Co.	Calipatria to Near Holtville	27.46		
	H. I. Ry.	Near Holtville to El Centro	9.73	37.19	
San Pedro	S. P. R. R.	Los Angeles to San Pedro	26.52		
	L.A.& S.L.R.R.	At Los Angeles	7.30		
	P. E. Ry.	At San Pedro	.03	33.85	
Santa Ana	S. P. R. R.	Firestone Park to Dyer		31.03	
Santa Paula	S. P. R. R.	Montalvo to Saugus		44.98	
Tustin	S. P. R. R.	Tustin Junction to Tustin		10.65	
Westmorland	S. P. Co.	Calipatria to Westmorland		12.79	
Total Branches					272.71
Total Los Angeles Division					689.10

TERMINAL SUPERINTENDENT

M. A. NUGENT.............Los Angeles Yard

ASST. TERMINAL SUPERINTENDENTS

W. A. SEAL.................Los Angeles Yard
W. R. MORLEY............Los Angeles Yard

TRAINMASTERS

E. J. KELLUM..............Los Angeles Yard
H. W. MAXWELL.........................Colton
H. G. HARVEY...............................Colton
R. D. WORKMAN..........................Niland

TERMINAL TRAINMASTER

G. L. KELLY...........................Indio

ASSISTANT TRAINMASTERS

B. M. BISHOP..............Los Angeles Yard
H. C. KAIM...Indio
J. ROBBINS..............................El Centro
WILLIAM WILKINS..................Oxnard

CHIEF TRAIN DISPATCHER

F. A. FLANAGAN.............Los Angeles

ASST. CHIEF TRAIN DISPATCHERS

L. J. ANDREWS...................Los Angeles
H. W. WALTERS.................Los Angeles
A. C. SHUTT......................Los Angeles
R. W. WILSON...................Los Angeles
A. F. CLACK......................Los Angeles
L. J. CHRISTMAS..............Los Angeles

ASSISTANT TRAINMASTER—DIVISION EXAMINER

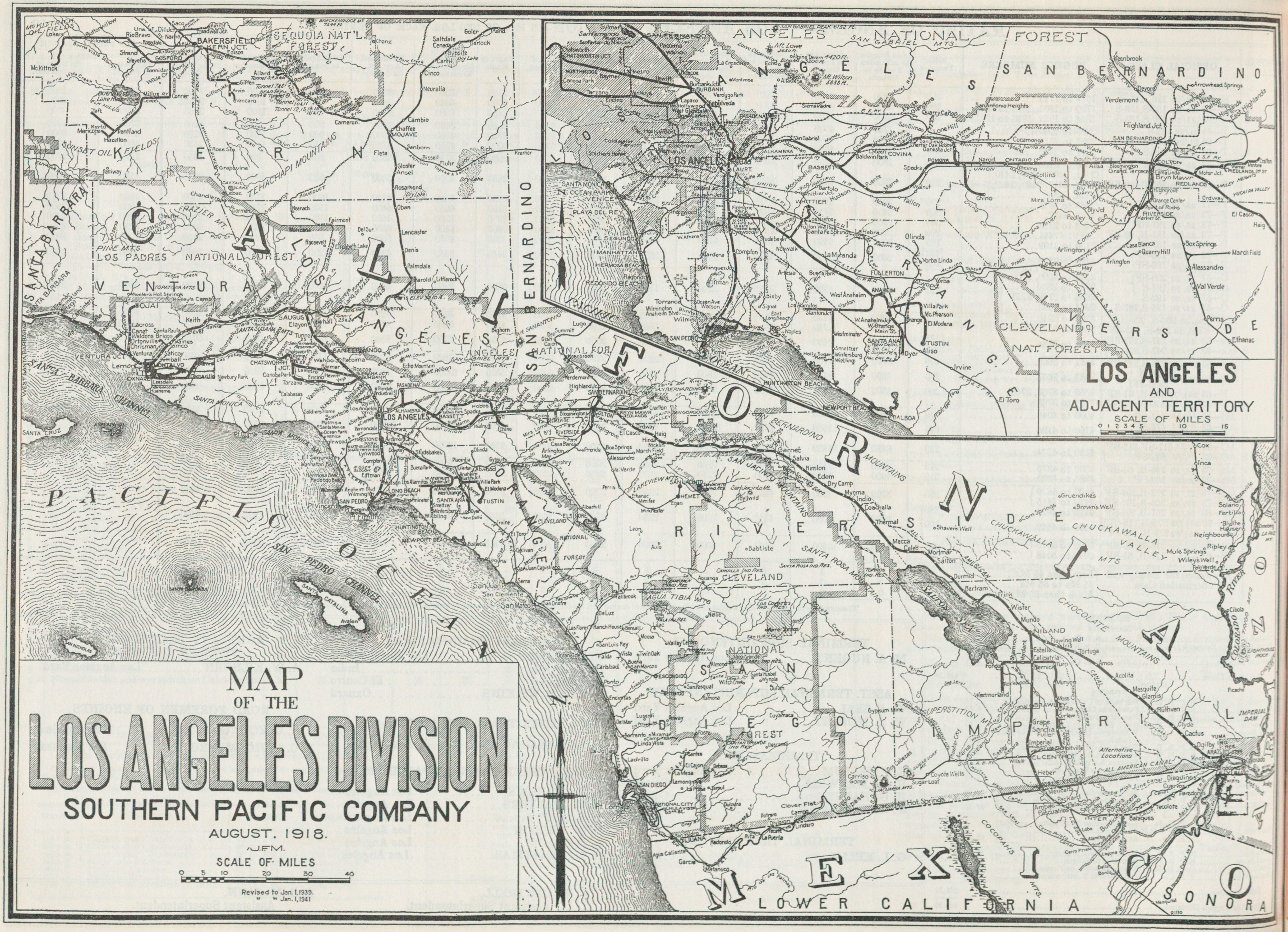
A. W. KILBORN..........Los Angeles Yard

ROAD FOREMEN OF ENGINES

A. C. YOUNG.................Los Angeles
C. G. HOLMBERG.............Los Angeles

F. W. CANTRELL,
Assistant Superintendent.

A. S. McCANN,
Assistant Superintendent.



MAP OF THE LOS ANGELES DIVISION

SOUTHERN PACIFIC COMPANY

AUGUST, 1918.

J.F.M.

SCALE OF MILES

Revised to Jan. 1, 1939.
" " Jan. 1, 1941

0 5 10 20 30 40
CALIFORNIA
MEXICO
LOWER CALIFORNIA
SONORA
PACIFIC OCEAN
KERN
LOS ANGELES
SAN BERNARDINO
RIVERSIDE
ORANGE
SAN DIEGO
IMPERIAL
VENTURA
SANTA BARBARA
SEQUOIA NAT'L FOREST
LOS PADRES NATIONAL FOREST
ANGELES NATIONAL FOREST
CLEVELAND NATIONAL FOREST
TEHACHAPI MOUNTAINS
SAN BERNARDINO MOUNTAINS
SAN JACINTO MOUNTAINS
SANTA ROSA MOUNTAINS
CHUCKAWALLA MTS
CHUCKAWALLA VALLEY
CHOCOLATE MOUNTAINS
SALTON SEA
SANTA BARBARA CHANNEL
SAN PEDRO CHANNEL
SANTA CATALINA
SAN NICOLAS
SANTA CRUZ
SANTA BARBARA
COLORADO RIVER
ALL AMERICAN CANAL
BAKERSFIELD
KERN JCT.
MOJAVE
LANCASTER
PALMDALE
SAUGUS
NEWHALL
VENTURA
OXNARD
SANTA BARBARA
SAN FERNANDO
CHATSWORTH
BURBANK
GLENDALE
PASADENA
LOS ANGELES
ALHAMBRA
COLTON
SAN BERNARDINO
RIVERSIDE
REDLANDS
POMONA
ONTARIO
SANTA ANA
ANAHEIM
FULLERTON
TUSTIN
LONG BEACH
SAN PEDRO
WILMINGTON
HUNTINGTON BEACH
NEWPORT BEACH
SANTA MONICA
VENICE
INDIO
COACHELLA
MECCA
NILAND
BRAWLEY
IMPERIAL
EL CENTRO
HEBER
CALEXICO
MEXICALI
YUMA
SAN DIEGO
NATIONAL CITY
ESCONDIDO
OCEANSIDE
TIJUANA
LOS ANGELES AND ADJACENT TERRITORY
SCALE OF MILES
0 1 2 3 4 5 10 15